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SUMMARY

OF

WEEKLY RETURNS

OF

BIRTHS, DEATHS, AND CAUSES OF DEATH

IN LONDON

DURING THE YEAR

1869.



PUBLISHED BY THE AUTHORITY OF THE REGISTRAR GENERAL OF BIRTHS, DEATHS, AND MARRIAGES IN ENGLAND.



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FOR HER MAJESTY'S STATIONERY OFFICE.

1870.

LONDON, 1869.

AREA.—The area of London (registration division so called) is 77,997 acres, or 122 square miles ; this is equal to 31,563 hectares, or 316 square kilometers.

HOUSES.—406,507, each inhabited by 7·8 persons.

ANNUAL VALUE OF PROPERTY (county rate assessment of 1866) = £15,261,999.

DENSITY.—100 persons to a hectare; 41 persons to an acre; 25,990 to a square mile.

ELEVATION.—The population of London resides at a mean elevation of 11·9 metres (39 feet) above Trinity high-water mark ; the elevation varying from 3·4 metres (11 feet) below high-water mark in Plumstead Marshes to 131 metres (429 feet) above high-water mark in Hampstead.

1869—BIRTHS	Males . 56,876 Females . 55,054	TOTAL .	111,930
1869—DEATHS	Males . 39,812 Females . 38,121	TOTAL .	77,933
1869—POPULATION . . . (Estimated for the middle of the year.)	Males . 1,478,840 Females . 1,691,914	TOTAL .	3,170,754
1869—ANNUAL RATE OF MORTALITY PER 1000 .	Males . 27·01 Females . 22·61	TOTAL .	24·66
ANNUAL RATE OF INCREASE OF POPULATION PER CENT., 1851–61 .			1·73

General Register Office, Somerset House,
19th February, 1870.

UNTIL the next Census the populations of the great English cities can only be conjectured. They necessarily vary from year to year ; as their increase depends upon the births and deaths, and upon the strength of the two opposite currents of migration inwards and outwards. Yet the growth of London, as well as of many of its sister cities, has latterly from decade to decade been constant, and has fluctuated within narrow limits of variation ; so the estimated number of 3,170,754 souls for the year 1869 probably differs little from the true figure of the population living on the hills, acclivities, and banks on both sides of the Thames. This population is within the domain of the Metropolitan Board of Works.

Outside this area of 122 square miles is a broad circle every year spreading, and occupied, in the year 1869, within the Metropolitan Police District by full 524,535 souls. The drainage of these outlying parts is excluded from the Metropolitan scheme. The water companies and the gas companies often supply both regions.

The registered births in London were 111,930, and as usual largely exceeded the deaths. The excess of births over deaths in the 52 weeks was 33,997. If the calculated growth is correct, the immigrants must have exceeded the emigrants by some 10,000.

The mortality of the year fluctuates with the seasons, and with the zymotic activity of disease. In the year before us the mortality was exceptionally high : 77,933 deaths were registered, and the mortality was at the annual rate of 24·66 (nearly 25) in 1000 ; the males dying at the annual rate of 27, the females at the annual rate of 23 in 1000.

12,298 of the deaths took place in 120 public institutions ; no less than 7068 in 47 workhouses, 4329 in 26 general and special hospitals, 336 in 19 lunatic asylums, and 83 in 12 prisons.

The greatest number of deaths in single institutions were: 499 in Marylebone workhouse, 502 in Pancras workhouse, 574 in St. Bartholomew's Hospital, 479 in the London Hospital, 495 in Guy's Hospital, and 518 in the London Fever Hospital.

It is evident that if no such provision existed as the Poor Law affords, and the charity of hospitals supplies, great numbers of the people of London would have in old age and in sickness a dread prospect before them. And it is gratifying to note, that with the progress of civilization, that pious reverence which led the Greeks and the Romans to provide, at great sacrifices, the rites of sepulture to the dead, is now extended to provide some mitigation of their sorrows to the sick.

But can no further progress be made? Has everything been done when the old work-worn artizan, or the ratepayer of past years, is mixed in the common wards of the workhouse, with the worst types of humanity? Then what numbers enter the workhouses alive, and are carried out dead. Some explanation is required of the 499 deaths in Marylebone, of the 502 deaths in Pancras workhouse. Yet no reports, by the medical officers, appear to be published.

The hospitals now supply reports by very competent registrars. The question remains; how can the advantages of hospital organization be enjoyed without visiting on the inmates the evil influences of the atmosphere of disease in which they are steeped? The spread of fever is limited by despatching patients to fever hospitals. But 518 deaths in a year in one institution is a startling number.

Howard's devotion to the criminal population rescued them from the hands of fever, and our prisons are now models, which only excite regret that their favourable sanitary conditions cannot be placed within reach of honest labourers.

Scarlet fever, whooping-cough, and diarrhœa have been the reigning epidemics of the year; to them 12,958 deaths were referred. Of the three forms of continued fever, enteric fever was the most prevalent.

More than half of the deaths in London (41,584) occurred under 20 years of age; in the next three vicenniads the deaths ranged from 10,044 to 11,814 and 11,961; only 2530 of the dead had attained the extreme bourne of life, 80 years and upwards. The annual rate of mortality per 1000 in five vicenniads was 30 in childhood and youth, 10 in prime manhood, 21 in full age, 65 in mature age, and 212 in old age.

The average mortality for 30 years of the five regions of London ranges from 23 in the North and 23 in the West, to 25 in the South, 25 in the Central, to 26 in the East Districts. In the year 1869 the mortality exceeded these averages everywhere except in the West Districts and in South London where the effects of drainage are manifest. The mortality was at the rate of 28 per 1000 in the East Districts.

The element influencing mortality, which has undergone the greatest changes in recent times, is the system of drainage. The salutary effect of this great engineering work is, as has been already shown, patent; but its full influence can only be experienced when the works are completed and supplemented. On the north side progress has been made with the low-level sewer since last year; but it is not yet finished. A mishap at the Abbey Mills pumping station has also led to some confusion. The smaller drains are in the hands of the district Boards, and the house proprietors: here some progress too has been made. The discharge of the sewage into the Thames at Crossness and Barking is a removal of the dirt of London from the dwellings of its inhabitants to the river, where it is diluted, tossed backwards and forwards below Barking and Crossness; when at the end of a fortnight its residue is found a few miles down the river nearer

the sea. The pollution of the river by sewage above London is for the future to be prohibited ; but there is no clear evidence of any measure to put the sewage on the land for purification below London. The irrepressible malaria can only be subdued by cultivation and vegetation : how this is to be done is the great engineering and agricultural problem of the day. It is now engaging the attention of a competent Committee of the British Association.

The area in the Police district around London, comprising 361,773 acres, about 94,087 inhabited houses, and a population of 524,535, has now no right of drainage ; so that a most deplorable state of things is springing up, which must end fatally unless it is met at an early period.

Here it is in vain that the Royal Commissioners to inquire into the best mode of distributing the sewage of towns, have confidence in submitting their conclusion that : " The right way to dispose of town sewage is to apply it continuously to " land, and it is only by such application that the pollution of rivers can be " avoided."* How is the land for irrigation to be procured ? At what cost? And what will be the consequence of a series of exhaling damp beds on which the sewage of half-a-million, a million, or more people is distributed in all the seasons of the year ? What people will accept the proximity of such rich moist meadows ? To remote fields the sewage of large isolated towns like Croydon may be carried. But by some other methods this engineering problem of the London suburbs must be solved, and assuredly it is soluble. The mechanism to bring products to the London market, and to distribute them is provided ; and so may be the mechanism to return their residue to the earth from which they came.

Especial attention is directed to the able Report of Professor Frankland, F.R.S., on the Waters of London. Every successive year shows the increasing importance of a vigilant supervision of the qualities of this necessary of life, by a chemist in whose integrity and skill implicit confidence can be placed.

POPULATION ; BIRTHS and DEATHS ; ANNUAL BIRTH and DEATH RATES ; MEAN TEMPERATURE and RAINFALL, in the Year 1869, in LONDON and THIRTEEN other LARGE TOWNS of the UNITED KINGDOM.

CITIES, &c.	ESTIMATED POPULATION in the Middle of the Year 1869.	BIRTHS in 52 Weeks ending 1st January 1870.	DEATHS in 52 Weeks ending 1st January 1870.	ANNUAL RATE to 1000 living during the 52 Weeks ending 1st January 1870.		MEAN TEMPERATURE in 52 Weeks ending 1st January 1870.	RAINFALL in inches in 52 Weeks ending 1st January 1870.
				Births.	Deaths.		
						°	in.
TOTAL - - -	6,546,587	234,710	170,479	35·97	26·13	48·7	30·15
LONDON - (Metropolis) -	3,170,754	111,930	77,933	35·42	24·66	49·6	23·92
BRISTOL - (City) -	169,423	6,054	4,090	35·85	24·22	49·6	34·74
BIRMINGHAM - (Borough) -	360,846	12,779	7,737	35·53	21·51	—	—
LIVERPOOL - (Borough) -	509,052	18,674	14,744	36·81	29·06	49·0	29·68
MANCHESTER - (City) -	370,892	13,325	10,709	36·05	28·97	—	—
SALFORD - (Borough) -	119,350	4,681	3,182	39·35	26·75	48·1	35·43
SHEFFIELD - (Borough) -	239,752	9,265	6,589	38·78	27·58	48·3	30·31
BRADFORD - (Borough) -	138,522	5,300	3,525	38·39	25·53	—	—
LEEDS - - (Borough) -	253,110	10,186	6,621	40·33	26·25	49·1	26·84
HULL - - (Borough) -	126,682	4,138	3,203	32·78	25·37	—	—
NEWCASTLE-ON-TYNE (Borough)	130,503	4,943	3,395	38·01	26·10	—	—
EDINBURGH - (City) -	178,002	6,740	5,382	37·99	30·34	47·4	24·20
GLASGOW - (City) -	458,937	18,415	15,693	40·26	34·31	47·1	38·22
DUBLIN (City and some suburbs)	320,762	8,280	7,676	25·90	24·01	49·8	27·97
	1867.						
BERLIN - - (City) -	702,437	29,550	22,235	42·21	31·76	—	—
	1869.						
VIENNA - - (City) -	605,200	—	17,268	—	28·63	—	—

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* Cited by Mr. Rawlinson in Appendix (p. xi.) to his important Barking Report.

BIRTHS and DEATHS IN LONDON; and METEOROLOGY at GREENWICH, in each of the 52 Weeks of 1869.

No. of Week.	Week ending	Births. Total.	Births. Males.	Births. Females.	Deaths. Total.	Deaths. Males.	Deaths. Females.	Mean Temperature of the Air.	Mean of the Highest Readings of the Thermometer.	Mean of the Lowest Readings of the Thermometer.	Dryness of Atmosphere.*	Fall of Rain in Inches.	Amount of Horizontal Movement of the Air in each Week...†
								°	°	°	°		Miles.
1	January 9	2409	1243	1166	1501	732	769	45·7	50·6	41·4	2·2	1·15	2333
2	„ 16	2270	1179	1091	1490	741	749	40·4	44·2	37·0	1·6	0·23	1519
3	„ 23	2276	1125	1151	1578	781	797	36·6	41·6	31·8	3·7	0·13	1028
4	„ 30	2260	1153	1107	1737	874	863	40·7	46·6	35·0	6·7	1·02	2298
5	Feb. 6	2316	1134	1182	1631	799	832	49·2	56·1	43·0	4·3	0·65	3158
6	„ 13	2249	1152	1097	1426	724	702	47·5	53·0	41·9	4·1	0·97	3794
7	„ 20	2401	1209	1192	1491	788	703	45·5	52·4	39·9	4·8	0·17	2409
8	„ 27	2223	1153	1070	1419	709	710	40·9	47·7	35·6	5·3	0·70	2563
9	March 6	2307	1144	1163	1487	740	747	39·1	47·0	33·6	7·2	0·47	3007
10	„ 13	2240	1134	1106	1519	775	744	35·6	43·7	29·9	5·2	0·04	1686
11	„ 20	2176	1116	1060	1549	777	772	36·9	42·4	32·3	4·6	0·57	2116
12	„ 27	2177	1121	1056	1590	800	790	38·7	45·3	33·7	4·7	0·27	2560
13	April 3	2319	1132	1187	1670	838	832	39·0	48·0	33·0	4·7	0·24	2694
14	April 10	2225	1133	1092	1550	829	721	47·1	56·3	41·3	3·5	0·17	1811
15	„ 17	2157	1072	1085	1595	817	778	55·2	68·2	45·5	6·0	0·46	1980
16	„ 24	2208	1134	1074	1377	692	685	50·3	61·1	42·0	5·1	0·25	1754
17	May 1	2165	1092	1073	1288	682	606	51·9	64·8	42·0	8·1	0·00	1875
18	„ 8	2025	1063	962	1421	717	704	50·5	61·1	43·0	3·6	1·28	1759
19	„ 15	2012	1024	988	1279	679	600	51·2	61·2	44·3	6·4	0·35	2106
20	„ 22	1911	950	961	1281	677	604	50·0	59·9	43·6	4·0	0·68	1631
21	„ 29	1924	961	963	1276	658	618	51·7	61·5	45·8	6·4	1·12	1848
22	June 5	2100	1080	1020	1355	683	672	53·3	65·8	44·2	5·3	0·10	1464
23	„ 12	1940	1002	938	1305	687	618	59·0	72·5	47·0	8·9	0·00	1343
24	„ 19	1784	949	835	1236	648	588	51·3	62·6	44·0	6·0	0·85	1935
25	„ 26	2100	1080	1020	1381	698	683	54·3	65·8	46·5	5·1	0·20	1120
26	July 3	2019	1046	973	1231	654	577	56·9	68·4	49·0	8·5	0·00	1777
27	July 10	1996	1022	974	1279	643	636	64·2	77·0	54·8	8·9	0·00	1749
28	„ 17	2051	1030	1021	1313	685	628	66·9	80·6	54·4	9·2	0·14	1216
29	„ 24	2119	1076	1043	1600	824	776	66·0	79·7	55·1	7·8	0·00	1140
30	„ 31	2142	1066	1076	1646	863	783	64·0	74·4	54·7	7·6	0·41	1740
31	August 7	2130	1070	1060	1630	824	806	59·8	72·0	52·6	7·4	0·47	1758
32	„ 14	2227	1168	1059	1591	822	769	58·5	68·5	52·5	7·6	0·73	2335
33	„ 21	2134	1065	1069	1527	764	763	58·7	68·7	50·1	8·3	0·01	921
34	„ 28	2047	1032	1015	1463	756	707	68·4	82·9	56·7	10·8	0·00	1002
35	Sept. 4	2156	1128	1028	1391	748	643	56·1	66·6	46·5	11·3	0·00	1620
36	„ 11	2127	1069	1058	1601	773	828	63·5	73·7	57·2	8·2	0·69	2047
37	„ 18	1944	957	987	1409	706	703	58·1	66·1	54·1	5·6	1·85	3786
38	„ 25	2252	1144	1108	1362	696	666	56·8	66·4	50·3	6·8	0·12	2696
39	October 2	2119	1076	1043	1395	694	701	58·8	68·1	51·8	5·9	0·81	1670
40	October 9	2248	1149	1099	1367	710	657	56·7	66·9	48·6	4·2	0·02	796
41	„ 16	2053	1009	1044	1305	676	629	54·5	64·6	46·4	4·4	0·25	2000
42	„ 23	2095	1061	1034	1476	768	708	42·7	49·6	36·8	4·7	0·90	2201
43	„ 30	2179	1077	1102	1536	803	733	40·0	47·8	33·6	6·1	0·21	2240
44	Nov. 6	2293	1177	1116	1772	890	882	46·6	53·2	41·1	5·9	0·28	2826
45	„ 13	2271	1160	1111	1689	841	848	41·1	48·4	33·5	6·1	0·08	2590
46	„ 20	2185	1092	1093	1859	945	914	45·8	52·9	40·0	3·6	0·10	2131
47	„ 27	2080	1063	1017	1676	852	824	41·0	44·8	37·0	3·4	1·16	1671
48	Dec. 4	2141	1125	1016	1705	850	855	34·2	38·3	29·8	4·6	0·80	2190
49	„ 11	2267	1136	1131	1759	954	805	39·2	41·8	35·9	1·8	0·43	1674
50	„ 18	2229	1145	1084	1566	793	773	44·7	50·4	38·1	4·6	1·23	3887
51	„ 25	1943	993	950	1357	705	652	38·2	42·5	34·9	4·3	0·86	2597
52	1870: Jan. 1	2309	1205	1104	1996	1028	968	34·2	37·9	28·9	4·7	0·31	2186

* The column headed "Dryness of Atmosphere" is the difference between the dew point temperature and air temperature. The mean dew point temperature, for any week, may be obtained by subtracting the number in the column headed "dryness" from the mean temperature in the same period.

† By Robinson's Anemometer, adopted in place of Whewell's, which was used formerly.

GREENWICH METEOROLOGICAL ELEMENTS for the Year 1869. By J. GLAISHER, Esq., F.R.S.

1869. Months.	Mean Reading of the Barometer.	Temperature of the Air. Highest by Day.	Lowest by Night.	Range in Month.	Mean of all Highest.	Mean of all Lowest.	Mean Daily Range.	Mean for the Month.	Departure from Average of 28 Years.	Mean Temperature of the Dew Point.	Mean Tension of Vapour.	Weight of Vapour in a Cubic Foot of Air.	Mean additional Weight required for Saturation.	Mean Degree of Humidity. Saturation = 100.	Mean Weight of a Cubic Foot of Air.	Relative Proportion of Wind. N.	E.	S.	W.	Mean Amount of Cloud.	Rain. Number of Days it fell.	Amount collected.
	in.	°	°	°	°	°	°	°	°	°	in.	grs.	gr.		grs.							m.
January	29·861	55·9	26·3	29·6	46·0	36·5	9·5	41·1	+3·0	37·6	·225	2·6	0·4	88	553	0	6	17	8	7·2	14	2·
February	29·808	61·6	31·7	29·9	51·8	39·7	12·1	45·3	+6·2	40·6	·253	2·9	0·6	84	547	2	1	10	15	7·2	13	2·
March –	29·632	53·6	27·3	26·3	44·8	32·3	12·5	37·5	−4·1	32·4	·184	2·1	0·5	83	553	14	8	4	5	7·7	17	1·
April –	29·823	79·1	29·3	49·8	61·6	41·8	19·8	50·3	+3·4	44·6	·295	3·4	0·8	81	542	6	8	8	8	6·1	10	1·
May –	29·651	70·5	33·3	37·2	60·7	43·7	17·0	50·5	−2·6	45·3	·303	3·4	0·7	83	538	7	11	7	6	7·4	21	3·
June –	29·920	87·5	35·6	51·9	67·4	46·0	21·4	55·3	−3·9	48·4	·340	3·8	1·1	78	538	10	5	5	10	6·3	9	1·
July –	29·928	90·9	49·1	41·8	77·0	54·5	22·5	64·5	+2·7	56·2	·453	5·0	1·7	75	527	6	5	9	11	5·7	2	0·
August –	29·967	89·0	42·1	46·9	72·3	52·4	19·9	60·8	−0·5	52·1	·389	4·4	1·6	73	532	9	7	6	9	5·9	11	1·
September	29·642	80·0	41·2	38·8	68·6	52·4	16·2	59·0	+1·7	51·6	·382	4·3	1·3	77	528	1	4	11	14	6·6	13	3·
October –	29·867	73·9	27·9	46·0	57·5	42·0	15·5	48·9	−1·5	44·2	·382	4·3	1·3	77	528	1	4	11	14	6·6	13	3·
November	29·765	58·8	26·8	32·0	49·1	37·4	11·7	43·0	−0·9	38·2	·231	2·7	0·5	83	549	6	1	8	15	6·4	13	2·
December	29·619	55·8	21·3	34·5	42·0	33·4	8·6	37·9	−2·7	33·9	·195	2·3	0·4	86	552	9	6	7	9	6·5	13	2·
Means	29·791	71·4	32·7	38·7	58·2	42·7	15·6	49·5	+0·1	43·8	·295	3·3	0·9	81	542	77	66	101	121	6·5	147	24·
																	Sums.				Sum	Sum

DEATHS in the LONDON DISTRICTS Registered in each Year during 10 Years, 1860–1869, with the Mean Temperature for the same Periods.

DISTRICTS.	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869 (52 weeks)
Mean Temperature - - -	47°·0	49°·4	49°·5	50°·3	48°·5	50°·3	49°·8	48°·6	51°·6	49°·5
LONDON - - -	62,309	65,251	67,371	71,060	78,238	73,531	80,453	70,924	73,798	77,933
1 KENSINGTON - - - - -	3814	3925	4097	4371	4944	4703	4837	5067	5298	5427
2 CHELSEA - - - - - -	1534	1571	1554	1623	1764	1652	1717	1568	1789	1766
3 ST. GEORGE HANOVER SQUARE -	1767	1862	1933	1942	1994	2076	1914	1820	1871	1792
4 WESTMINSTER, ST. MARGARET -	1700	1751	1704	1936	2144	1809	1894	1792	1801	1826
6 WESTMINSTER, ST. JAMES -	1056	1074	1061	1141	1185	1103	1178	1086	1092	1193
7 MARYLEBONE - - - - -	3752	4007	3872	4048	4211	4070	4146	4125	3863	3930
8 HAMPSTEAD - - - - -	276	296	308	330	372	408	396	411	400	453
9 PANCRAS - - - - - -	4268	4703	4536	4747	5449	5254	5268	4851	4888	5044
10 ISLINGTON - - - - -	3028	3123	3496	4340	4594	4617	5154	4509	4886	4932
11 HACKNEY - - - - - -	1555	1748	1753	1937	2148	2193	2405	2268	2247	2645
12 ST. GILES - - - - - -	1362	1404	1498	1466	1630	1591	1505	1435	1345	1452
13 STRAND - - - - - -	1205	1225	1246	1330	1529	1382	1320	1170	1253	1210
14 HOLBORN* - - - - - -	3635	4072	4171	4231	4758	4344	4428	3985	4042	4178
17 EAST LONDON - - - -	822	915	962	914	874	825	776	670	708	757
18 WEST LONDON - - - -	1295	1303	1276	1308	1391	1133	1119	1020	1033	1025
19 LONDON CITY - - - -	784	790	754	819	803	661	663	563	491	527
20 SHOREDITCH - - - - -	2987	3179	3327	3330	3648	3326	3436	2973	3242	3458
21 BETHNAL GREEN - - -	2218	2219	2555	2597	3079	2780	3840	2778	2985	3237
22 WHITECHAPEL - - - -	2340	2342	2574	2713	2813	2549	3525	2350	2519	2619
23 ST. GEORGE-IN-THE EAST -	1293	1267	1333	1265	1588	1393	1881	1238	1238	1407
24*a* STEPNEY - - - - - -	1329	1361	1409	1479	1414	1373	1850	1176	1334	1489
24*b* MILE END OLD TOWN - -	1548	1557	1844	1761	1942	1845	2438	1884	1934	2242
25 POPLAR - - - - - -	1900	1847	2053	2420	2806	2646	3706	2476	2575	3054
26 ST. SAVIOUR - - - - -	934	1073	920	813	894	788	910	823	708	815
27 ST. OLAVE - - - - - -	1129	1190	1049	913	912	915	945	861	839	965
28 BERMONDSEY - - - - -	1275	1349	1365	1541	1524	1509	1623	1544	1734	2061
29 ST. GEORGE SOUTHWARK - -	1263	1385	1457	1584	1732	1479	1561	1386	1475	1657
30 NEWINGTON - - - - -	1708	1765	1733	2180	2230	1929	2253	1976	2087	2308
31 LAMBETH - - - - - -	3303	3461	3773	3756	4265	4110	4190	4061	4386	4374
32 WANDSWORTH - - - - -	1389	1396	1376	1498	1686	1818	2083	1951	2152	2384
33 CAMBERWELL - - - - -	1337	1426	1567	1704	1851	1909	2056	2065	2262	2367
34 ROTHERHITHE - - - - -	532	534	560	609	594	602	599	577	554	666
35 GREENWICH - - - - -	2025	2249	2254	2504	2954	2550	2494	2266	2469	2438
36*a* LEWISHAM - - - - -	552	495	559	555	671	623	782	691	773	788
36*b* WOOLWICH - - - - -	1354	1387	1442	1345	1845	1566	1561	1508	1585	1392

NOTE. — The Deaths in this Table are compiled from the Abstracts which appear in the Registrar General's Annual Reports; excepting for the year 1869, in which the Deaths are derived from the Weekly Returns embracing 52 weeks.

* On 2d August 1869 Clerkenwell (numbered 15) and St. Luke (numbered 16) ceased to be Superintendent Registrars' Districts and were incorporated with the District of Holborn. In the above Table the deaths in the district of Holborn as at present constituted are given for all the years.

LONDON.—ANNUAL RATE of MORTALITY, 1840–1869, in FIVE GROUPS of DISTRICTS.

	LONDON.	WEST DISTRICTS.	NORTH DISTRICTS.	CENTRAL DISTRICTS.	EAST DISTRICTS.	SOUTH DISTRICTS.
Area in Square Miles .	121·8	16·8	21·1	3·0	9·7	71·2
Annual Increase of Population per Cent., 1851–61	1·73	2·10	2·34	—·39 (decrease).	1·63	2·28
Population, 1861 . .	2,803,989	463,388	618,210	378,058	571,158	773,175
YEARS.	ANNUAL RATE OF MORTALITY PER 1000.					
1840 . . .	24·98	24·08	23·94	24·47	25·71	25·89
1841 . . .	24·04	22·36	22·41	24·96	25·06	24·40
1842 . . .	23·52	22·56	22·55	23·61	24·43	23·92
1843 . . .	24·66	23·26	23·08	25·28	26·39	24·75
1844 . . .	25·00	23·87	23·30	24·44	25·86	25·60
1845 . . .	23·19	22·53	21·01	24·02	24·63	23·76
1846 . . .	23·30	21·58	21·85	22·92	24·14	24·63
1847 . . .	26·95	24·50	25·37	27·89	29·35	27·71
1848 . . .	25·82	23·61	23·38	25·33	28·67	27·18
1849 . . .	30·14	26·13	23·68	27·91	31·76	37·62
1850 . . .	21·04	19·64	19·80	21·14	21·68	21·92
1851 . . .	23·38	22·02	22·16	24·07	24·28	24·04
1852 . . .	22·61	21·53	21·22	23·93	23·32	23·01
1853 . . .	24·41	22·29	22·37	25·13	26·47	25·33
1854 . . .	29·43	28·51	24·36	27·44	29·98	34·83
1855 . . .	24·31	23·00	23·28	25·09	25·46	24·61
1856 . . .	22·09	21·46	21·09	23·03	23·31	21·84
1857 . . .	22·41	21·19	21·50	23·77	24·63	21·49
1858 . . .	23·90	22·37	22·88	24·46	25·78	23·96
1859 . . .	22·69	21·44	21·67	24·14	23·95	22·60
1860 . . .	22·49	22·17	21·17	23·34	24·08	22·14
1861 . . .	23·18	22·42	22·33	25·03	24·02	22·79
1862 . . .	23·56	22·30	22·00	25·83	25·98	22·68
1863 . . .	24·47	23·24	23·77	26·51	26·48	23·33
1864 . . .	26·53	24·89	25·37	29·26	29·03	25·36
1865 . . .	24·56	22·96	24·53	26·79	26·40	23·16
1866 . . .	26·48	22·95	25·32	26·77	34·01	24·11
1867 . . .	23·01	22·12	23·14	24·35	24·24	22·04
1868 . . .	23·60	22·62	22·92	24·77	25·57	22·91
1869 † . . .	24·66	22·63	23·71	25·69	28·17	23·82
Average Number living to One Death annually (1840–69) . . .	41	44	44	40	38	40

NOTE.—The Annual Rate of Mortality in this Table is deduced from the Population at the Censuses of 1841, 1851, and 1861, and from the Deaths registered in London in each of the several years as given in the Table on page vii.

† The Mortality in the year 1869 is corrected for the difference between 365·2422 days and the 364 days which are included in the Summary of the Weekly Tables for 1869.

The Mortality for LONDON in each year 1840–68 is calculated on the Deaths for the complete years instead of for 52 or 53 weeks, and will be found to agree with that given in the Registrar General's Annual Reports.

Certain alterations affecting the West and Central groups of districts were made in the year 1868, but no corrections have been made in the results given in this Table for years prior to 1868. If the deaths of inmates of institutions were excluded, the correction in the annual rate of mortality consequent upon these alterations would be hardly appreciable.

LONDON.—MEAN MORTALITY PER 1000.

YEARS.	LONDON.	WEST DISTRICTS.	NORTH DISTRICTS.	CENTRAL DISTRICTS.	EAST DISTRICTS.	SOUTH DISTRICTS.
	MEAN OF 30 YEARS.					
1840–1869 . . .	24·35	22·87	22·84	25·05	26·09	24·71
	MEANS OF 10 YEARS.					
1840–9 . . .	25·16	23·45	23·06	25·08	26·60	26·55
1850–9 . . .	23·63	22·35	22·03	24·22	24·89	24·36
1860–9 . . .	24·25	22·83	23·43	25·83	26·80	23·23
	MEANS OF 5 YEARS.					
1840–4 . . .	24·44	23·23	23·06	24·55	25·49	24·91
1845–9 . . .	25·88	23·67	23·06	25·61	27·71	28·18
1850–4 . . .	24·17	22·80	21·98	24·34	25·15	25·83
1855–9 . . .	23·08	21·89	22·08	24·10	24·63	22·90
1860–4 . . .	24·05	23·00	22·93	25·99	25·92	23·26
1865–9 . . .	24·46	22·66	23·92	25·67	27·68	23·21

DEATHS in LONDON, from ALL CAUSES, REGISTERED in the YEARS 1857–1869.

Class.															1869.			
	MEAN TEMPERATURE –	51°·0	49°·2	50°·7	47°·0	49°·4	49°·5	50°·3	48°·5	50°·3	49°·8	48°·6	51°·6	49°·5	QUARTER ENDING			
	YEARS – – – –	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Apr. 3	July 3	Oct. 2	Jan. 1 1870
	CAUSES OF DEATH.	371 Days.	364 Days.	364 Days	364 Days.	364 Days.	364 Days.	371 Days.	364 Days	364 Days.	364 Days.	364 Days.	371 Days	364 Days.	91 Days	91 Days	91 Days	91 Days
	ALL CAUSES . .	60150	63882	61617	61821	65001	66950	72346	77723	73460	80129	70588	74908	77933	20088	17575	19207	21063
	SPECIFIED CAUSES .	58990	63027	60872	61148	64288	66075	71665	76872	72551	79446	69757	74234	77406	19942	17477	19066	20921
	(CLASSES.)																	
I.	ZYMOTIC DISEASES	14107	16704	16758	13001	15710	17869	21005	20051	18058	23680	15027	18893	20885	3843	3749	7316	5977
II.	CONSTITUTIONAL „	12366	12309	12455	12523	13082	12903	13518	14237	14415	14864	14063	14621	14442	3717	3814	3484	3427
III.	LOCAL „	23370	25053	22677	26246	25569	25423	26738	31376	28826	29755	29206	29338	31334	9585	7317	5619	8813
IV.	DEVELOPMENTAL „	7130	7045	6959	7240	7680	7671	7874	8673	8606	8604	8912	8815	8397	2215	1992	2093	2097
V.	VIOLENT DEATHS –	2017	1916	2023	2138	2247	2209	2530	2535	2646	2543	2549	2567	2348	582	605	554	607
	(ORDERS.)																	
I.	1. MIASMATIC DISEASES –	13021	15554	15508	11923	14459	16678	19689	18673	16539	22203	13566	17323	19425	3489	3441	6880	5615
	2. ENTHETIC „ –	296	305	336	322	390	343	397	418	441	457	480	529	549	148	123	126	152
	3. DIETIC „ –	672	670	762	661	720	706	767	804	880	836	726	807	710	165	152	229	164
	4. PARASITIC „ –	118	175	152	95	141	142	152	156	198	184	255	234	201	41	33	81	46
II.	1. DIATHETIC „ –	2149	2182	2153	2148	2258	2329	2421	2502	2483	2466	2398	2522	2527	627	644	621	635
	2. TUBERCULAR „ –	10217	10127	10302	10375	10824	10574	11097	11735	11932	12398	11665	12099	11915	3090	3170	2863	2792
III.	1. DISEASES OF NERVOUS SYSTEM – –	6094	6571	6557	6749	6736	6924	7406	7844	7892	8272	8211	8489	8467	2335	2091	1881	2160
	2. „ OF ORGANS OF CIRCULATION –	2371	2521	2679	2911	2850	2993	3116	3536	3456	3496	3258	3558	3633	1084	879	728	942
	3. „ OF RESPIRATORY ORGANS – –	10890	11908	9305	12444	11735	11190	11499	15201	12545	13230	12907	12182	14121	4821	3085	1764	4451
	4. „ OF DIGESTIVE ORGANS – –	2626	2573	2645	2611	2735	2745	2950	2964	3091	2916	2879	3031	2961	770	712	749	730
	5. „ OF URINARY ORGANS – –	736	831	837	888	899	958	1025	1086	1088	1131	1241	1197	1363	372	349	303	339
	6. „ OF ORGANS OF GENERATION –	201	205	231	193	206	203	254	255	268	260	220	295	265	60	75	66	64
	7. „ OF ORGANS OF LOCOMOTION –	175	182	160	176	174	184	230	250	239	241	305	331	300	74	74	70	82
	8. „ OF INTEGUMENTARY SYSTEM –	277	262	263	274	234	226	258	240	247	209	185	255	224	69	52	58	45
IV.	1. DEV. DIS. OF CHILDREN	2527	1771	1831	1914	2037	1969	2054	2179	2077	2207	2230	2193	2118	539	559	509	511
	2. „ OF ADULTS –	235	270	272	262	250	252	350	323	310	328	306	284	270	66	72	59	73
	3. „ OF OLD PEOPLE	2360	2413	2279	2388	2516	2631	2687	2972	2721	2574	2609	2544	2587	823	602	529	633
	4. DISEASES OF NUTRITION	2008	2591	2577	2676	2877	2819	2783	3199	3498	3495	3767	3794	3422	787	759	996	880
V.	1. ACCIDENT OR NEGLIGENCE – – – *	†	1622	1673	1715	1870	1829	2149	2139	2241	2137	2148	2126	1914	482	465	454	513
	3. HOMICIDE – – –	†	53	93	136	115	111	128	126	132	138	104	112	110	20	36	30	24
	4. SUICIDE – – –	†	238	256	285	261	266	251	259	267	258	260	294	302	69	98	68	67
	5. EXECUTION – – –	†	2	1	2	1	2	1	9	..	1	3	2	1	..	..	..	1
	VIOLENT DEATHS NOT CLASSED – – –	2017	1	..	..	..	1	1	2	6	9	34	33	21	11	6	2	2
	SUDDEN DEATHS, CAUSE UNASCERTAINED – –	508	476	247	138	164	256	233	185	191	131	85	60	53	15	16	2	20
	CAUSES NOT SPECIFIED –	652	379	498	535	549	619	448	666	718	552	746	614	474	131	82	139	122

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

† In 1857 the Violent Deaths are not classed according to ORDERS, but they are placed indiscriminately in the next line following.

DEATHS in LONDON, from ALL CAUSES, REGISTERED in the YEARS 1857–1869—*continued.*

Class.														1869.			
	MEAN TEMPERATURE	51°·0	49°·2	50°·7	47°·0	49°·4	49°·5	50°·3	48°·5	50°·3	49°·8	48°·6	51°·6	49°·5	QUARTER ENDING			
	YEARS	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Apr. 3	July 3	Oct. 2	Jan. 1 1870
	CAUSES OF DEATH.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	91 Days	91 Days	91 Days	91 Days
I.	ORDER 1.																	
	1. Small-pox	154	247	1156	877	215	345	2012	537	646	1388	1332	606	273	69	55	62	87
	2. Measles	1400	2383	1305	2054	1070	2281	1698	2750	1302	2259	1125	1989	1425	300	315	337	473
	3. Scarlet Fever (Scarlatina)	1587	4118	4197	2457	2358	3457	5075	3242	2181	1885	1438	2921	5803	648	675	1770	2710
	4. Diphtheria					697	734	724	564	433	431	398	497	343	81	64	85	113
	5. Quinsy	87	103	85	60	110	93	89	75	51	70	44	32	33	7	5	14	7
	6. Croup	457	557	396	471	855	937	927	882	742	716	723	717	582	191	125	112	154
	7. Whooping-cough	2551	2700	1741	2023	3497	2150	2229	2386	2921	2933	2251	2369	3755	886	1177	869	823
	8. Typhus / Enteric or Typhoid Fever / Simple continued Fever	2203	1902	1796	1392	1754	3635	2892	3689	3232	2681	2174	2483	724 1055 635	266 331 189	193 225 124	135 254 145	130 245 177
	9. Erysipelas	299	339	294	238	255	314	447	452	363	310	264	427	332	99	71	71	91
	10. Puerperal Fever (Metria)	136	165	207	145	162	190	220	261	182	153	157	219	198	55	34	45	64
	11. Carbuncle	69	61	58	53	43	43	60	52	57	55	44	51	53	15	7	14	17
	12. Influenza	136	99	62	113	46	45	41	64	36	37	34	26	39	21	4	..	14
	13. Dysentery	177	181	214	110	123	95	108	104	110	148	85	90	94	14	23	35	17
	14. Diarrhœa	3145	2093	3335	1383	2625	1735	2448	2861	3557	3184	2942	4060	3400	177	211	2644	368
	15. Simple Cholera	215	130	198	46	168	107	154	154	193	5577	241	320	217	4	7	193	13
	16. Ague	22	43	30	30	33	24	20	19	24	7	13	17	23	4	9	6	4
	17. Remittent Fever	98	94	94	97	98	107	92	100	44	30	3	8	16	4	2	4	6
	18. Rheumatism	285	339	340	344	350	386	453	481	454	327	290	474	403	122	103	81	97
	19. Other *Zymotic* Diseases	..	..	..	..	..	..	..	..	11	12	8	17	22	6	7	4	5
	ORDER 2.																	
	1. Syphilis	225	263	288	256	327	282	335	356	369	408	423	473	466	120	102	108	136
	2. Stricture of Urethra	69	42	48	65	58	59	57	61	61	36	52	52	78	27	21	15	15
	3. Hydrophobia	2	..	..	..	..	..	2	..	9	11	3	..	3	..	..	3	..
	4. Glanders	*	..	..	1	5	2	3	1	2	2	2	4	2	1	..	..	1
	ORDER 3.																	
	1. Privation	29	33	26	27	27	41	25	56	26	26	39	36	20	7	5	2	6
	2. Want of Breast Milk	363	372	445	381	453	406	416	437	531	514	431	507	442	97	88	151	106
	3. Purpura and Scurvy	40	44	50	56	65	69	83	69	80	91	100	95	83	20	27	13	23
	4. Alcoholism: *a* Del. Tremens	129	123	122	99	108	125	133	146	150	113	98	110	118	32	25	42	19
	4. Alcoholism: *b* Intemperance	111	98	119	98	67	65	110	96	93	92	58	59	47	9	7	21	10
	ORDER 4.																	
	1. Thrush	118	168	139	90	132	137	141	153	191	177	242	228	187	40	28	75	44
	2. Worms, &c.	*	7	13	5	9	5	11	3	7	7	13	6	14	1	5	6	2
II.	ORDER 1.																	
	1. Gout	59	70	77	61	74	80	65	95	88	73	96	115	105	23	36	23	23
	2. Dropsy	720	777	717	671	666	689	759	713	775	765	630	638	656	171	165	152	168
	3. Cancer	1152	1142	1161	1199	1304	1333	1583	1457	1392	1417	1464	1580	1584	381	406	395	402
	4. Cancrum Oris (Noma)	34	23	22	27	31	35	29	29	34	17	39	23	19	6	4	3	6
	5. Mortification	184	170	176	190	183	192	185	208	194	194	169	166	163	46	33	48	36
	ORDER 2.																	
	1. Scrofula	382	437	405	465	553	521	525	552	465	475	410	407	388	104	107	87	90
	2. Tabes Mesenterica	882	823	800	755	973	813	992	977	1236	1155	1115	1190	1207	227	259	443	278
	3. Phthisis	7424	7369	7670	7648	7716	7749	7991	8559	8710	9277	8817	9021	8788	2294	2385	1994	2115
	4. Hydrocephalus	1529	1498	1427	1507	1582	1491	1589	1647	1521	1491	1323	1481	1532	465	419	339	309
III.	ORDER 1.																	
	1. Cephalitis	539	575	561	540	522	556	625	570	776	705	745	867	850	216	231	179	224
	2. Apoplexy	1340	1423	1475	1544	1489	1647	1733	1754	1811	1809	1815	1763	1794	477	428	406	483
	3. Paralysis	1064	1184	1217	1264	1243	1237	1265	1457	1365	1560	1532	1550	1548	420	383	331	414
	4. Insanity	97	87	87	58	72	82	78	95	95	116	139	116	107	26	23	33	25
	5. Chorea	3	7	8	7	11	12	11	9	11	7	7	7	18	7	4	4	3
	6. Epilepsy	395	409	386	324	313	373	370	346	394	371	329	355	353	90	86	81	96
	7. Convulsions	1907	2119	1953	2135	2161	2149	2342	2621	2534	2787	2768	2867	2967	858	727	669	713
	8. *Brain Disease, &c.*	749	767	870	877	925	868	982	992	906	917	876	964	830	241	209	178	202
	ORDER 2.																	
	1. Pericarditis	103	122	117	121	97	104	121	123	107	106	118	136	134	35	30	38	31
	2. Aneurism	71	86	94	102	108	106	128	101	131	100	137	147	139	39	31	26	43
	3. *Heart Disease, &c.*	2197	2313	2468	2688	2645	2783	2867	3312	3218	3290	3003	3275	3360	1010	818	664	868
	ORDER 3.																	
	1. Laryngitis	308	317	274	268	381	419	387	381	323	314	323	343	397	124	116	56	101
	2. Bronchitis	5716	6388	4974	6719	6465	5925	6049	8666	7265	7512	7501	6688	8059	2093	1655	824	2587
	3. Pleurisy	123	138	147	155	159	142	156	178	152	123	154	187	171	44	40	36	51
	4. Pneumonia	3887	4150	3076	4389	3665	3496	3727	4490	3600	4168	3627	3800	4217	1231	1001	661	1324
	5. Asthma	608	586	517	553	582	564	526	636	490	430	601	439	555	216	115	52	172
	6. *Lung Disease, &c.*	248	329	317	330	483	644	654	850	715	683	701	725	722	213	158	135	216
	ORDER 4.																	
	1. Gastritis	87	85	123	95	72	97	88	114	89	92	82	93	86	24	22	21	19
	2. Enteritis	290	272	292	273	303	274	340	307	322	277	286	313	322	73	69	104	76
	3. Peritonitis	201	225	229	217	230	232	252	277	248	237	218	299	245	70	55	56	64
	4. Ascites	153	117	145	162	124	143	148	142	166	141	143	106	116	30	26	29	31
	5. Ulceration of Intestines	136	126	109	118	130	116	142	145	126	116	125	142	136	38	30	29	39
	6. Hernia	159	141	138	153	161	170	169	162	146	155	159	169	161	39	44	30	48
	7. Ileus	149	147	149	150	184	128	149	145	164	152	182	163	150	37	36	33	44
	8. Intussusception	63	43	48	43	54	36	35	50	47	49	57	42	54	16	17	11	10

* In the year 1857 *glanders* was classed with *erysipelas*, and *worms* with *disease of stomach.*

Deaths in London, from All Causes, Registered in the Years 1857–1869—*continued.*

Class.														1869.			
	Mean Temperature –	51°·0	49°·2	50°·7	47°·0	49°·4	49°·5	50°·3	48°·5	50°·3	49°·8	48°·6	51°·6	49°·5	Quarter ending			
	Years – – – –	1857	1858	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	1869	Apr. 3	July 3	Oct. 2	Jan. 1 1870
	CAUSES OF DEATH.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	91 Days	91 Days	91 Days	91 Days
	9. Stricture of Intestines –	38	42	31	53	48	49	51	49	42	48	35	45	45	11	12	13	9
	10. Fistula – – – –	26	27	26	18	19	26	21	18	26	19	22	20	18	4	3	6	5
	11. *Stomach Disease, &c.* –	296	342	305	291	301	356	330	346	360	319	314	330	308	85	72	77	74
	12. *Pancreas Disease, &c.* –	2	4	3	1	2	4	..	2	1	2	1	3	2	1	..	..	1
	13. Hepatitis – – –	152	171	180	145	183	167	224	176	202	214	185	171	166	53	35	42	36
	14. Jaundice – – –	197	179	177	176	192	175	212	210	211	189	203	238	225	50	55	64	56
	15. *Liver Disease, &c.* –	660	638	666	705	719	753	786	806	926	832	842	883	915	236	233	232	214
	16. *Spleen Disease, &c.* –	17	14	24	11	13	19	12	15	15	24	25	14	12	3	3	2	4
	Order 5.																	
	1. Nephritis – – –	23	37	41	35	33	37	54	56	47	51	60	87	106	22	25	22	37
	2. Ischuria – – –	12	7	16	10	19	9	13	7	14	21	17	15	15	4	1	3	7
	3. Bright's Dis. (Nephria)	250	267	293	331	379	402	456	479	483	451	518	436	608	160	160	140	148
	4. Diabetes – – –	55	46	53	68	77	67	73	81	84	84	84	93	93	29	26	14	24
	5. Calculus (Stone) – –	30	29	36	34	30	38	31	43	32	43	41	45	38	11	10	10	7
	6. Cystitis – – –	38	48	29	38	39	44	55	56	44	61	57	71	55	18	12	10	15
	7. *Kidney Disease, &c.* –	328	397	369	372	322	361	343	364	384	420	464	450	448	128	115	104	101
	Order 6.																	
	1. Ovarian Dropsy – –	51	45	67	49	50	45	53	46	50	23	41	41	38	6	7	14	11
	2. *Uterus Disease, &c.* –	150	160	164	144	156	158	201	209	218	237	179	254	227	54	68	52	53
	Order 7.																	
	1. Synovitis (Arthritis) –	11	11	6	11	11	4	8	17	6	10	7	9	14	5	1	4	4
	2. *Joint Disease, &c.* –	164	171	154	165	163	180	222	233	233	231	298	322	283	69	73	66	78
	Order 8.																	
	1. Phlegmon – – –	157	150	144	131	106	76	105	83	101	75	85	132	113	38	30	26	19
	2. Ulcer – – – –	61	48	64	62	68	78	91	63	72	67	50	56	56	12	12	20	12
	3. *Skin Disease, &c.* – –	59	64	55	81	60	72	62	91	74	67	50	67	55	19	10	12	14
IV.	Order 1.																	
	1. Premature Birth – –	1630	873	909	930	966	956	1011	1008	1081	1112	1105	1105	1010	253	257	257	243
	2. Cyanosis – – –	*	80	99	86	107	99	116	121	107	107	112	118	92	28	24	12	28
	3. SpinaBifida – – –	*	48	41	40	51	56	58	43	36	55	56	48	65	13	16	19	17
	4. Other Malformations –	183	82	72	82	86	97	72	98	81	85	98	88	69	19	18	12	20
	5. Teething – – –	714	688	710	776	827	761	797	909	772	848	859	834	882	226	244	209	203
	Order 2.																	
	1. Paramenia – – –	8	5	15	8	16	11	11	8	10	12	9	9	11	1	6	1	3
	2. Childbirth(*see* Puerperal Fever) – – –	227	265	257	254	234	241	339	315	300	316	297	275	259	65	66	58	70
	Order 3.																	
	1. Old Age – – –	2360	2413	2279	2388	2516	2631	2687	2972	2721	2574	2609	2544	2587	823	602	529	633
	Order 4.																	
	1. Atrophy and Debility –	2008	2591	2577	2676	2877	2819	2783	3199	3498	3495	3767	3794	3422	787	759	996	880
V.	Order 1. (Accident or Negligence.)																	
	1. Fractures and Contusions	*	713	645	663	719	707	827	898	999	915	845	871	774	205	186	188	195
	2. Wounds – – –	*	42	32	29	27	29	41	38	25	28	22	20	21	3	6	7	5
	3. Burns and Scalds –	*	309	332	326	337	345	341	342	328	296	302	287	263	85	58	44	76
	4. Poison – – – –	*	48	46	45	60	49	58	48	40	49	55	44	44	8	16	10	10
	5. Drowning – – –	*	235	282	257	299	285	355	257	329	333	335	339	297	52	88	93	64
	6. Suffocation – – –	*	230	288	328	354	342	399	401	405	408	457	386	388	100	83	75	130
	7. Otherwise – – –	*	45	48	67	74	72	128	155	115	108	132	179	127	29	28	37	33
	Order 3. (Homicide.)																	
	1. Murder and Manslaughter	*	53	93	136	115	111	128	126	132	138	104	112	110	20	36	30	24
	Order 4. (Suicide.)																	
	1. Wounds { Gunshot –	*	9	14	17	12	11	13	18	14	15	15	16	10	4	1	3	2
	{ Cut, Stab –	*	69	62	54	46	44	53	45	67	63	59	50	75	16	25	19	15
	2. Poison – – – –	*	44	41	56	40	48	38	49	50	52	45	46	54	12	19	10	13
	3. Drowning – – –	*	36	37	51	44	35	42	42	36	33	46	72	69	11	29	17	12
	4. Hanging – – –	*	76	86	93	98	113	81	82	78	77	58	79	74	23	19	15	17
	5. Otherwise – – –	*	13	16	14	21	15	24	23	22	18	37	31	20	3	5	4	8
	Order 5. (Execution.)																	
	1. Hanging – – –	*	2	1	2	1	2	1	9	..	1	3	2	1	..	..	..	1
	Violent Deaths (not classed)	2017	1	..	..	..	1	1	2	6	9	34	33	21	11	6	2	2
	Sudden Deaths (cause unascertained) – – –	508	476	247	138	161	256	233	185	191	131	85	60	53	15	16	2	20
	Causes not specified or ill-defined – – – –	652	379	498	535	549	619	448	666	718	552	746	614	474	131	82	139	122

Note.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism;" of "hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7.) As "stricture of the urethra" is almost invariably the result of gonorrhœa, it is classed as I.; 2; 2.

* In the year 1857 *cyanosis* and *spina bifida* were classed with *other malformations;* and the *violent deaths* were not distinguished according to Orders.

LONDON.—BIRTHS, DEATHS from ALL CAUSES; and DEATHS from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA, registered in each SUB-DISTRICT during the 52 Weeks ending Saturday, 1st January, 1870.

REGISTRARS' SUB-DISTRICTS.	Total Births in 52 Weeks.	Total Deaths in 52 Weeks.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON - -	111930	77933	273	1425	5803	343	3755	2414	3100
WEST DISTRICTS -	16579	12004	17	163	502	53	482	309	557
NORTH DISTRICTS -	25081	17059	79	255	1125	76	907	694	746
CENTRAL DISTRICTS -	11191	9149	2	151	633	39	435	258	337
EAST DISTRICTS -	24275	17506	56	361	1930	79	925	558	761
SOUTH DISTRICTS -	34804	22215	119	495	1613	96	1006	595	999
WEST DISTRICTS.									
St. Mary Paddington *W* H	1969	1109	1	15	90	1	37	32	63
St. John Paddington H	737	656	-	7	26	7	12	16	14
Kensington Town *W* -	2927	1704	3	31	82	10	72	36	92
Brompton H - -	680	563	4	2	22	1	7	15	20
St. Peter Hammersmith	201	114	-	-	2	-	7	4	2
St. Paul Hammersmith H	1129	709	-	4	46	5	18	22	51
Fulham *W* - - -	831	572	-	2	19	4	24	16	57
Chelsea South H - -	898	656	5	14	13	5	32	11	24
Chelsea North-west H *Ww*	770	718	2	9	14	1	36	11	36
Chelsea North-east -	681	392	1	6	9	2	20	11	12
Hanover-square - -	391	279	1	-	12	1	13	7	9
May Fair *W* - -	263	281	-	1	5	2	2	9	5
Belgrave H - - -	1628	1232	-	15	32	5	39	29	51
St. John Westminster -	1313	859	-	14	42	1	51	30	46
St. Margaret Wstm. *W* H	790	967	-	23	21	3	34	31	41
St. James's-square -	177	118	-	-	6	-	1	5	1
Golden-square *W* -	389	442	-	5	12	2	29	5	5
Berwick-street - -	318	244	-	8	20	1	17	5	13
St. Anne Soho - -	547	389	-	7	29	2	31	14	15
NORTH DISTRICTS.									
All Souls Marylebone H	869	862	-	11	40	2	51	10	29
Cavendish-square - -	320	202	-	-	16	1	8	9	8
Rectory Marylebone *W*	955	1046	-	8	42	2	49	16	37
St. Mary Marylebone -	1026	450	-	4	33	4	15	10	27
Christchurch Marylebone	1161	776	3	14	46	1	61	15	46
St. John Marylebone -	982	644	1	11	30	2	26	20	40
Hampstead *W* H - -	741	458	-	9	25	2	29	8	14
Regent's Park Pancras -	1211	689	1	18	50	2	24	20	38
Tottenham-court *w* H -	906	824	-	5	35	1	29	11	18
Gray's-inn-lane H -	937	628	1	6	34	2	20	17	23
Somers-town - - -	1305	800	-	4	37	4	47	19	37
Camden-town *W* - -	816	839	-	3	18	5	17	11	31
Kentish-town - -	2434	1264	-	29	71	6	85	31	69
Islington West *W* HH* -	3651	2674	58	49	214	14	172	381	96
Islington East *Ww* -	3841	2258	8	27	179	12	156	40	127
Stoke Newington L -	257	140	-	3	21	-	6	1	10
Stamford-hill - - -	154	113	-	3	10	-	11	3	1
West Hackney - -	934	516	1	8	30	7	27	16	29
Hackney H *Ww* - -	1563	1245	4	35	110	6	39	38	36
South Hackney L -	1018	631	2	8	84	3	35	18	30
CENTRAL DISTRICTS.									
St. George Bloomsbury -	470	332	-	5	13	-	19	3	17
St. Giles South *W* -	880	700	-	7	13	1	47	14	28
St. Giles North - -	497	420	-	8	20	4	18	8	19
Long Acre - - -	367	225	-	9	8	-	13	5	6
Charing Cross *W* H -	190	369	-	1	6	-	4	4	7
St. Mary-le-Strand -	232	176	-	4	11	2	6	3	6
St. Clement Danes H -	311	440	-	6	16	3	21	16	8
St. George-the-Martyr H	625	540	-	10	51	2	30	10	27
St. Andrew East, Holb. *W*	412	502	-	2	18	1	10	7	28
Saffron-hill - - -	267	230	-	4	22	-	6	8	8
St. James Clerkenwell *W*	754	591	-	16	35	6	28	19	35
Amwell Clerkenwell -	612	302	-	4	31	1	12	13	10
Pentonville - - -	487	253	-	5	15	-	22	7	13
Goswell-street - -	577	364	-	3	28	-	19	5	15
Old-street - - -	489	267	1	5	22	2	17	10	15
City-road HL - -	1172	464	1	7	70	1	20	13	19
Whitecross-street - -	479	438	-	16	55	5	24	14	16
Finsbury - - - -	349	225	-	4	19	2	22	9	9
St. Botolph, East London	524	412	-	11	36	1	29	17	17
Cripplegate - - -	424	345	-	10	59	1	23	20	9
West London North *W* H	207	750	-	3	42	3	8	24	6
West London South -	326	275	-	6	20	1	11	7	7
London City South-west	72	73	-	1	6	-	8	5	2
London City North-west	111	90	-	1	6	2	3	1	-
London City South -	96	90	-	1	10	-	4	2	2
London City South-east	115	111	-	-	4	1	5	7	3
London City North-east	165	163	-	2	17	-	6	7	5

REGISTRARS' SUB-DISTRICTS.	Total Births in 52 Weeks.	Total Deaths in 52 Weeks.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	425	297	1	5	49	-	12	12	7
St. Leonard Shoreditch L†	640	468	-	2	58	4	23	16	20
Hoxton New Town *w* -	1182	853	-	6	65	5	26	31	31
Hoxton Old Town - -	1086	569	-	4	50	3	50	14	32
Haggerstone West *W* -	980	829	-	5	80	9	48	20	44
Haggerstone East -	816	442	-	4	56	4	34	20	19
Hackney Road - -	1293	735	-	17	121	5	65	27	37
Green, Bethnal Grn. *W* HL†	1719	1337	2	25	139	2	41	29	51
Church, Bethnal Green	1049	600	-	17	78	3	51	26	35
Town, Bethnal Green -	863	565	-	13	95	3	38	25	25
Artillery Whitechapel -	210	150	-	2	16	-	11	5	6
Spitalfields - - -	479	393	1	17	48	1	35	16	22
Mile End New Town *W*	601	712	-	17	54	2	20	29	24
Whitechapel North -	394	259	-	17	21	2	15	15	8
Whitechapel Church H	258	624	-	5	15	1	5	14	7
Goodman's Fields - -	351	243	-	7	19	1	9	11	14
Aldgate - - - -	220	238	-	9	25	-	20	4	17
St. Mary, St. Geo. East -	705	441	1	14	54	1	27	24	32
St. Paul, St. Geo. East -	733	553	1	14	68	3	33	16	28
St. John, St. Geo. East *W*	406	413	-	10	33	-	11	17	19
Shadwell *W* - -	348	362	-	4	30	4	10	7	17
Ratcliff *W* - - -	519	461	1	11	49	5	31	23	20
Limehouse *W* - -	1070	666	20	11	92	1	41	21	24
Mile End Old Town, West	1479	877	2	32	104	1	78	22	47
Mile End Old T., East *Ww*	2014	1365	26	43	120	8	62	50	61
Bow *ww* L† - - -	2537	1797	1	26	208	8	59	37	77
Poplar *W* - - -	1898	1257	-	24	183	3	70	27	37
SOUTH DISTRICTS.									
Christchurch Southwk. *W*	531	411	-	17	21	-	19	8	30
St. Saviour Southwark H	506	404	1	17	29	2	28	11	13
St. Olave Southwark H -	97	612	-	4	14	2	4	16	4
St. John Horsleydown *W*	363	353	5	5	38	-	14	6	21
St. James Bermondsey -	2035	1088	1	45	153	4	82	21	45
St. Mary Magdalen *W*	664	518	3	13	52	4	19	16	15
Leather Market - -	664	455	11	18	58	1	24	21	25
Kent Road - - -	693	563	12	16	69	1	28	18	31
Borough Road *W* -	617	609	-	9	25	2	15	8	25
London Road L -	691	485	2	18	35	1	20	15	21
Trinity Newington -	887	545	7	7	79	5	39	17	19
St. Peter Walworth *W*	1951	1203	8	29	132	6	46	34	42
St. Mary Newington H -	592	560	1	14	36	3	21	11	19
Waterloo Road 1st - -	560	308	-	13	12	2	24	9	26
Waterloo Road 2nd -	944	447	1	13	25	1	33	15	26
Lambeth Church 1st -	762	417	-	15	21	3	29	12	26
Lambeth Church 2nd *W*	1558	1106	-	40	42	3	51	30	57
Kennington 1st - -	1379	846	7	11	43	7	31	25	29
Kennington 2nd - -	936	477	1	10	18	-	23	9	25
Brixton - - -	1086	559	13	5	28	1	13	14	24
Norwood *W* - - -	446	214	-	9	15	5	11	3	10
Clapham - - -	839	508	10	2	29	-	29	17	29
Battersea *W* - - -	2096	1121	11	18	54	7	52	30	62
Wandsworth L - -	587	420	-	20	36	-	7	4	23
Putney - - - -	248	133	-	5	6	2	6	5	6
Streatham - - -	339	202	-	4	11	4	2	3	3
Dulwich - - - -	79	40	-	1	1	1	2	-	1
Camberwell *W* L† L† -	977	771	3	9	37	1	39	15	27
Peckham - - -	1405	790	3	20	47	4	28	15	57
St. George Camberwell -	1301	766	4	11	79	4	68	19	37
Rotherhithe *W* - -	921	666	2	10	116	1	27	10	22
St. Paul Deptford - -	1981	1057	8	5	101	5	43	38	54
St. Nicholas Deptford -	250	198	1	-	39	-	1	9	7
Greenwich West H -	708	514	3	6	32	1	16	24	22
Greenwich East *WH* -	704	669	-	7	9	1	16	20	12
Eltham - - - -	111	41	-	-	-	-	1	-	2
Lee - - - -	393	222	-	8	4	3	8	1	7
Lewisham Village *W* -	408	235	-	8	7	-	9	5	12
Sydenham - - -	647	290	1	5	10	4	14	9	10
Charlton - - -	284	202	-	1	12	1	3	10	7
Woolwich Dockyard H	615	286	-	1	6	4	9	16	15
Woolwich Arsenal H -	823	400	-	10	11	-	14	15	13
Plumstead, West - -	526	232	-	5	4	-	17	7	18
Plumstead, East - -	600	272	-	11	17	-	21	4	20

NOTE.—The letters placed against the names of the sub-districts denote public institutions in which a considerable number of deaths is likely to occur, namely, *W*—Workhouse; H—Hospital; L—Lunatic asylum; *w*—Workhouse not belonging to the district in which it is situated.

* Islington West sub-district contains the Small-pox and Fever Hospitals.

† Lunatic Asylums where paupers are admitted.

The WORKHOUSES not belonging to the Parishes or Unions in which they are situated are on page xiv printed in *italics*; namely,

St. George Han. Sq. situated in 2; 2. Chelsea North-west sub-dis.
The Strand - - „ 9; 2. Tottenham-court sub-district.
West London - - „ 10; 2. Islington East sub-dis.
East London - - „ 11; 4. Hackney sub-district.
Holborn - - „ 20; 3. Hoxton New Town sub-dis.
London City - „ 24*b*; 2. Mile End Old Town Eastern sub-district.
„ 25; 1. Bow sub-district.
Stepney - „ 25; 1. Bow sub-district.

LONDON.—Deaths and Rate of Mortality from SCARLET FEVER in the 10 Years 1851–60; in the 8 Years 1861–68; and in the 52 Weeks ending January 1st, 1870.

DISTRICTS.	Area in Statute Acres.	Population, 1861.	Deaths registered from Scarlet Fever.†			Deaths annually from Scarlet Fever † to 100,000 Persons living.		
			10 Years, 1851–60.	8 Years, 1861–68.	Year 1869.	10 Years, 1851–60.	8 Years, 1861–68.	Year 1869.
LONDON . . .	**77,997**	**2,803,989**	**24,300**	**22,515**	**5,803**	**94**	**94**	**183**
WEST DISTRICTS.								
1. Kensington HHH . . .	7,342	185,950	1,057	1,408	287	69	79	109
2. Chelsea HH*w*	865	63,439	593	571	36	99	107	52
3. St. George Hanover-Sq. H .	1,161	87,771	526	504	49	65	67	48
4. Westminster St. Margaret H	917	68,213	718	522	63	107	94	90
5. St. Martin-in-the-Fields* H .	305	22,689	147	139	14	62	79	66
6. Westminster St. James* . .	164	35,326	217	206	38	61	74	110
NORTH DISTRICTS.								
7. Marylebone H	1,509	161,680	1,340	933	207	84	76	126
8. Hampstead	2,252	19,106	125	83	25	80	45	90
9. Pancras HH*w*	2,716	198,788	1,761	1,692	245	96	99	107
10. Islington HH*w* . . .	3,127	155,341	1,307	1,666	393	104	110	171
11. Hackney HL*w*	3,929	83,295	559	592	255	79	77	231
CENTRAL DISTRICTS.								
12. St. Giles	245	54,076	448	409	46	83	95	85
13. Strand* H	172	42,979	386	281	56	88	83	134
14. Holborn* H	196	44,862	486	458	91	106	130	209
15. Clerkenwell*	380	65,681	589	625	109	90	118	164
16. St. Luke* HL	220	57,073	633	478	166	114	103	278
17. East London	153	40,687	424	320	75	100	102	198
18. West London H	138	27,145	385	266	62	138	126	240
19. London City	434	45,555	313	206	43	62	61	111
EAST DISTRICTS.								
20. Shoreditch L*w* . . .	646	129,364	1,268	1,074	358	106	97	242
21. Bethnal Green HL . . .	760	105,101	962	994	433	99	111	365
22. Whitechapel H	406	78,970	716	673	198	90	107	253
23. St. George-in-the-East . .	243	48,891	581	343	155	119	87	314
24*a*. Stepney	576	56,572	1,380	498	171	115	108	292
24*b*. Mile End Old Town *w* .	681	73,064		725	224		112	250
25. Poplar L*ww*	2,918	79,196	695	617	391	110	79	326
SOUTH DISTRICTS.								
26. St. Saviour H	250	36,170	388	258	50	108	89	137
27. St. Olave H	169	19,056	235	152	52	122	100	277
28. Bermondsey	688	58,355	669	533	263	126	106	386
29. St. George Southwark L .	282	55,510	522	459	129	97	101	220
30. Newington	624	82,220	711	663	247	97	92	248
31. Lambeth	4,015	162,044	1,538	1,430	204	102	104	112
32. Wandsworth L*w* . . .	11,695	70,403	466	484	136	77	75	149
33. Camberwell LL . . .	4,342	71,488	524	572	164	83	90	185
34. Rotherhithe	886	24,502	221	173	116	104	78	367
35. Greenwich* HHH . . .	5,367	127,670	1,025	969	198	90	86	127
36. Lewisham* H	17,224	65,757	385	479	54	77	71	49

Note.—The Letters H, L, and *w*, placed against the names of the Districts indicate that a Hospital, Lunatic Asylum, or a Workhouse *belonging to another District*, is situated therein.

* Changes have lately been made in the constitution of these Districts, but for comparative purposes those changes have been disregarded in this Table, which therefore exhibits the facts for each District as it was constituted before any such changes were made.

† It must be borne in mind that prior to 1859 diphtheria and cynanche maligna were included with scarlet fever in the Returns.

LONDON.—DEATHS in 120 PUBLIC INSTITUTIONS, registered in the 52 Weeks ending Saturday 1st January, 1870.

LONDON:	DEATHS. Total.	Males.	Females.
TOTAL DEATHS IN 120 PUBLIC INSTITUTIONS	12298	6941	5354
47 WORKHOUSES (*belonging to Unions or Parishes*)	7068	3625	3443
12 PRISONS	83	67	16
4 MILITARY AND NAVAL ASYLUMS *Men*	165	165	-
17 GENERAL HOSPITALS	3480	2204	1276
9 HOSPITALS FOR SPECIAL DISEASES	849	432	417
4 LYING-IN HOSPITALS *Women*	13	-	13
4 LYING-IN HOSPITALS *Children*	41	24	17
6 MILITARY AND NAVAL HOSPITALS *Men*	170	170	-
2 HOSPITALS AND ASYLUMS FOR FOREIGNERS	93	66	27
19 LUNATIC ASYLUMS	336	191	145

PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	DEATHS. Total.	Males.	Females.
WORKHOUSES.	*No. of District and Sub-district.*			
Paddington	1; 1. St. Mary Paddington	103	51	52
Kensington	1; 3. Kensington Town	175	78	97
Fulham	1; 7. Fulham	81	50	31
Chelsea	2; 2. Chelsea North-west	167	72	95
St. George Hanover Square	2; 2. *Chelsea North-west*	39	13	26
St. George Hanover Square	3; 2. May Fair	126	100	26
Westminster, St. Margaret	4; 2. Westmr., St. Margaret	226	128	98
Westminster, St. James	6; 2. Golden Square	186	90	96
Marylebone	7; 3. Rectory Marylebone	499	262	237
Hampstead	8; 1. Hampstead	29	19	10
Strand	9; 2. *Tottenham Court*	79	42	37
Pancras	9; 5. Camden Town	502	234	268
Islington	10; 1. Islington West	239	121	118
Islington (*Infant Poor*)	10; 2. Islington East	5	2	3
Holborn (*Infant Poor*)	10; 2. *Islington East*	2	1	1
West London	10; 2. *Islington East*	88	49	39
Hackney	11; 4. Hackney	111	57	54
East London	11; 4. *Hackney*	124	52	72
St. Giles	12; 2. St. Giles South	251	124	127
Strand	13; 2. Charing Cross	96	47	49
Holborn	14; 2. St. Andrew Eastern	181	100	81
Holborn	14; 4. St. James Clerkenwell	144	71	73
West London	18; 2. West London South	21	10	11
Holborn	20; 3. *Hoxton New Town*	250	115	135
Shoreditch	20; 5. Haggerstone West	250	142	108
Bethnal Green	21; 2. The Green	265	153	112
Whitechapel	22; 3. Mile End New Town	315	174	141
St. George-in-the-East	23; 3. St. John	203	87	116
Stepney	24*a*; 1. Shadwell	26	21	5
Stepney	24*a*; 2. Ratcliff	1	1	-
Stepney (*for Children*)	24*a*; 3. Limehouse	13	7	6
Mile End Old Town	24*b*; 2. Eastern	145	58	87
London City	24*b*; 2. *Mile End Old Town Eastern*	6	1	5
London City	25; 1. *Bow*	132	74	58
Stepney	25; 1. *Bow*	146	70	76
Poplar	25; 2. Poplar	127	63	64
St. Saviour	26; 1. Christchurch	87	40	47
St. Olave	27; 2. St. John Horsleydn.	77	36	41
Bermondsey	28; 2. St. Mary Magdalen	136	80	56
St. George Southwark	29; 2. Borough Road	210	108	102
Newington	30; 2. St. Peter Walworth	140	73	67
Lambeth	31; 4. Lambeth Church 2d	370	191	179
Lambeth (*for Children*)	31; 8. Norwood	8	6	2
Wandsworth	32; 2. Battersea	144	79	65
Camberwell	33; 2. Camberwell§	193	94	99
Rotherhithe	34; 1. Rotherhithe	47	26	21
Greenwich	35; 4. East Greenwich	257	130	127
Lewisham	36*a*; 3. Lewisham Village	46	23	23
PRISONS.*				
Millbank Penitentiary	4; 1. Westmr., St. John-	13	12	1
Westminster House of Correction, Tothill-fields.	4; 2. Westminster, St. Margaret	12	6	6
Pentonville or Model Prison (*Males*).	10; 1. Islington West	4	4	-
City Prison, Holloway	10; 1. Islington West	-	-	-
Middlesex House of Detention.	14; 4. St. James Clerkenwell	4	-	4
Middlesex House of Correction (*Males*).	14; 5. Amwell Clerkenwell	27	27	-
Debtors Prison, Whitecross Street.	17; 2. Cripplegate	-	-	-
Newgate	18; 1. West London North	1	1	-
Military Prison, Queen's Bench.	29; 2. Borough Road	-	-	-
Surrey County Gaol, Horsemonger-lane.	30; 1. Trinity Newington-	5	5	-
Female Convict Prison	31; 7. Brixton	5	-	5
Surrey House of Correction	32; 3. Wandsworth	12	12	-

PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	DEATHS. Total.	Males.	Females.
HOSPITALS, &c.				
Royal Military and Naval Asylums.†	*No. of Dist. and Sub-dist.*			
Royal Military Hospital Chelsea, *In-Pensioners.*	2; 1. Chelsea South	89	89	-
Royal Military Asylum, Chelsea, *Boys.*	2; 1. Chelsea South	1	1	-
Royal Naval Hospital Greenwich, *In-Pensioners.*	35; 4. Greenwich East	75	75	-
Naval School, Royal Hospital, Greenwich, *Boys.*	35; 4. Greenwich East	-	-	-
General Hospitals.				
St. Mary's	1; 2. St. John Paddington	174	127	47
West London Hospital	1; 6. St. Paul Hammersm.	30	22	8
St. George's	3; 3. Belgrave	353	214	139
Westminster	4; 2. St. Margaret Westm.	166	104	62
Middlesex	7; 1. All Souls Marylebone	283	136	147
University College	9; 2. Tottenham Court	225	148	77
Royal Free Hospital	9; 3. Gray's-inn Lane	80	49	31
Great Northern Hospital	10; 1. Islington West	36	23	13
Charing Cross	13; 2. Charing Cross	121	80	41
King's College	13; 4. St. Clement Danes	182	115	67
Hospital for Sick Children	14; 1. St. George the Martyr Holborn	67	36	31
St. Bartholomew's	18; 1. West London North	574	338	236
London	22; 5. Whitechapel Church	479	334	145
East Lond. Hosp. for Chldn.	21*a*; 2. Ratcliff‖	11	6	5
Poplar	25; 1. Bow	21	21	-
Guy's	26; 2. St. Saviour	9	7	2
Guy's	27; 1. St. Olave	486	321	165
St. Thomas's	30; 3. St. Mary Newington	183	123	60
Hospitals for Special Diseases.				
Lock (*Syphilis*)	1; 1. St. Mary Paddington	5	2	3
Consumption and Disease of Chest.	1; 4. Brompton	144	63	81
Cancer	2; 2. Chelsea North-west	36	5	31
North Lond. Consumption	8; 1. Hampstead	18	13	5
Small-pox	10; 1. Islington West	52	28	24
London Fever	10; 1. Islington West	518	270	248
St. Mark's (*Fistula*)	14; 8. Old Street	1	-	1
Royal Hosp. for Dis. of Chest	14; 9. City Road	11	4	7
City of London, for Disease of Chest.	21; 2. The Green, Bethnal Green	64	47	17
Lying-in Hospitals.				
Queen Charlotte's	7; 4. St. Mary Marylebone (Women)	6	-	6
Queen Charlotte's	7; 4. St. Mary Marylebone (Children)	16	9	7
British	12; 2. St. Giles South (Women)	1	-	1
British	12; 2. St. Giles South (Children)	3	1	2
City of London	14; 9. City Road (Women)	4	-	4
City of London	14; 9. City Road (Children)	17	10	7
Hospital, York Road	31; 2. Waterloo, 2d Part (Women)	2	-	2
Hospital, York Road	31; 2. Waterloo, 2d Part (Children)	5	4	1
Military and Naval Hospitals.				
Grenadier Guards Hospit.	4; 1. St. John Westminster	6	6	-
Coldstream Guards Hospit.	4; 1. St. John Westminster	8	8	-
Scots Fusilier Guards Hosp.	4; 1. St. John Westminster	10	10	-
Dreadnought Hospital Ship, *for Seamen.*	35; 3. Greenwich West	106	106	-
Herbert Hospital	36*b*; 1. Charlton	38	38	-
Royal Marine Infirmary	36*b*; 2. Woolwich Dockyard	2	2	-
Hospitals and Asylums for Foreigners.				
German Hospital	11; 4. Hackney	88	62	26
Portuguese Jews Hospital	24*b*; 2. Mile End Old Town Eastern	5	4	1
Lunatic Asylums.				
Kensington House	1; 3. Kensington Town	3	2	1
Normand House (*Females*)	1; 7. Fulham	-	-	-
Munster House (*Males*)	1; 7. Fulham	5	5	-
Otto House (*Females*)	1; 7. Fulham	-	-	-
Sussex and Brandenburgh House.	1; 7. Fulham	5	4	1
Blacklands House (*Males*)	2; 3. Chelsea North-east	-	-	-
Northumberland House	11; 1. Stoke Newington	6	5	1
Brook House	11; 4. Hackney	-	-	-
Pembroke House	11; 5. South Hackney	3	3	-
St. Luke's Hospital (*for Lunatics*).	14; 9. City Road	10	5	5
Hoxton House‡	20; 2. St. Leonard	48	21	27
Bethnal House‡	21; 2. Bethnal Green	29	13	16
Grove Hall‡	25; 1. Bow	44	33	11
Bethlehem	29; 3. London Road	32	13	19
Effra Hall (*Females*)	31; 7. Brixton	-	-	-
Retreat	32; 1. Clapham	-	-	-
Surrey County	32; 3. Wandsworth	65	44	21
Peckham House‡	33; 2. Camberwell	43	21	22
Camberwell House‡	33; 2. Camberwell	43	22	21

* The deaths of the children of prisoners are not included.

† The deaths of *out-pensioners* of Greenwich and Chelsea Hospitals are not included. ‡ Lunatic Asylums where paupers are received.

§ Includes the deaths of four males who died in Nazareth House (an auxiliary workhouse) situated in the Peckham sub-district.

‖ The 11 deaths stated to have occurred in the East London Hospital for Children are those which were registered subsequent to the 7th November 1869.

The workhouses (in *italics*) of the following parishes or unions do not belong to the district in which they are situated; namely,—

St. George, Hanover Square, situated	in	Chelsea North-west sub-district. 2 : 2
The Strand	,,	Tottenham-court sub-district. 9 : 2
West London	,,	Islington East sub-district. 10 : 2
East London	,,	Hackney sub-district. 11 : 4
Holborn	,,	Hoxton New Town sub-district. 20 : 3
London City	,,	Mile End Old Town Eastern sub-district, 24 *b* : 2, and Bow sub-district. 25 : 1
Stepney	,,	Bow sub-district. 25 : 1.

Deaths in the Public Institutions of London.

	1860.	1861.	1862.	1863.	1864.	1865.	1866.	1867.	1868.	1869.
Total Deaths in Public Institutions .	9550	10276	11313	11112	12731	12116	13054	12002	12326	12298
Workhouses	5161	5757	6401	6187	7055	6715	7088	6829	6789	7068
Prisons	41	46	53	64	125	99	95	90	75	83
Military and Naval Asylums (*Men*) . .	272	251	307	289	315	278	195	147	176	165
General Hospitals	3039	3234	3167	3169	3558	3354	3813	3291	3714	3480
Hospitals for Special Diseases . . .	413	335	690	827	982	1002	1167	929	933	849
Lying-in Hospitals . . Women . .	34	38	35	11	24	26	22	31	15	13
Lying-in Hospitals . . Children . .	57	58	40	37	48	42	50	51	46	41
Military and Naval Hospitals (*Men*) .	173	223	236	203	215	176	146	177	163	170
Hospitals and Asylums for Foreigners .	47	58	74	61	82	71	96	100	79	93
Lunatic Asylums	313	276	310	264	327	353	382	357	336	336

Deaths in London; and Meteorology at Greenwich Observatory.

YEARS.	Total Number of Deaths. (*a*)	Mean Temperature of Air.	Dryness of Atmosphere.*	Fall of Rain in Inches.	Mean Daily † Amount of Horizontal Movement of the Air by Robinson's Anemometer.
Averages of 30 Years, 1840–1869.	61,253	° 49·3	° ‡5·6	24·3	Miles. §248
Averages of 10 Years, 1840–1849.	51,976	49·3	‖5·1	24·3	—
Averages of 10 Years, 1850–1859.	59,698	49·3	5·9	23·2	241
Averages of 10 Years, 1860–1869.	72,086	49·4	5·7	25·3	255
1840	46281	47·7	—	18·3	—
1841	45284	48·7	5·0	33·3	—
1842	45272	49·6	4·6	22·6	—
1843	48574	49·4	3·7	24·6	—
1844	50423	48·6	4·9	24·9	—
1845	48332	47·6	4·4	22·4	—
1846	49089	51·3	5·1	25·3	—
1847	60442	49·5	5·4	17·8	—
1848	57628	50·4	6·4	30·2	—
1849	68432	50·0	6·6	23·9	—
1850	48579	49·3	6·1	19·7	263
1851	55354	49·2	6·5	21·6	247
1852	54213	50·6	7·4	34·2	254
1853	61202	47·7	6·2	29·0	228
1854	73697	48·9	4·7	18·7	247
1855	61506	47·1	4·5	21·1	237
1856	56786	49·0	5·6	22·2	254
1857	60150	51·0	5·2	21·4	223
1858	63882	49·2	6·5	17·8	232
1859	61617	50·7	6·0	25·9	228
1860	61821	47·0	4·6	32·0	239
1861	65001	49·4	5·0	20·8	233
1862	66950	49·5	4·7	26·2	240
1863	72346	50·3	6·0	20·0	246
1864	77723	48·5	7·0	16·7	228
1865	73460	50·3	6·2	29·0	222
1866	80129	49·8	5·6	30·5	274
1867	70588	48·6	5·6	28·4	283
1868	74908	51·6	6·8	25·2	293
1869	77933	49·5	5·7	24·1	293

Note.—This Table does not include the deaths in Wandsworth and Clapham for the years 1840-3; nor the deaths in Hampstead and Lewisham for 1840-6.

(*a*) Compiled from the Registrar General's Weekly Returns which embrace 364 days; and for five years (1847, 1853, 1857, 1863, and 1868) 371 days.

* The column headed "Dryness of Atmosphere" is the difference between the dew point temperature and air temperature. The dew point temperature, for any year, may be obtained by subtracting the number in the column headed "dryness" from the mean temperature in the same period.

† For the years 1850-59 the results are only approximative, having been reduced to Robinson's anemometer from observations made with Whewell's.

‡ Average of 29 years. § Average of 20 years. ‖ Average of 9 years.

LONDON.—Temperature at Greenwich, Total Deaths, and Deaths at Five different Ages, in each Week of the Year 1869.

Number of Week.	Week ending	Temperature. Mean.	Highest Reading by Day.	Lowest Reading by Night.	Ages at Death. All Ages.	0–20	20–40	40–60	60–80	80 and upwards.
	Population estimated to the middle of 1869 - 3,170,754				1,376,351	1,026,767	572,114	183,592	11,930	
	Year (of 52 Weeks)	49°5	90°9	21°3	77,933	41,584	10,044	11,814	11,961	2,530
	March Quarter	41·3	61·6	26·3	20,088	9,228	2,800	3,455	3,760	845
	June „	52·0	87·5	29·3	17,575	8,706	2,553	2,904	2,869	543
	September „	61·4	90·9	41·2	19,207	11,860	2,175	2,449	2,237	486
	December „	43·3	73·9	21·3	21,063	11,790	2,516	3,006	3,095	656
1	January 9	45·7	53·8	37·3	1501	740	219	217	270	55
2	„ 16	40·4	50·9	33·1	1490	716	210	243	267	54
3	„ 23	36·6	50·5	28·1	1578	721	220	268	305	64
4	„ 30	40·7	54·0	26·3	1737	724	222	323	373	95
5	February 6	49·2	61·6	35·1	1631	723	221	276	329	82
6	„ 13	47·5	56·2	31·7	1426	670	218	235	253	50
7	„ 20	45·5	53·9	33·2	1491	697	223	268	242	61
8	„ 27	40·9	52·4	32·0	1419	647	208	253	257	54
9	March 6	39·1	53·6	28·8	1487	682	217	279	252	57
10	„ 13	35·6	45·9	27·3	1519	721	199	254	291	54
11	„ 20	36·9	50·6	28·2	1549	698	204	268	306	73
12	„ 27	38·7	50·4	29·2	1590	703	228	289	297	73
13	April 3	39·0	52·7	29·3	1670	786	211	282	318	73
14	„ 10	47·1	68·3	34·3	1550	698	215	260	304	73
15	„ 17	55·2	79·1	37·9	1595	772	235	254	280	54
16	„ 24	50·3	66·3	32·9	1377	696	199	211	226	45
17	May 1	51·9	73·3	37·6	1288	656	183	211	205	33
18	„ 8	50·5	67·5	33·3	1421	721	209	236	220	35
19	„ 15	51·2	68·3	37·3	1279	631	208	210	193	37
20	„ 22	50·0	66·5	37·6	1281	634	184	231	202	30
21	„ 29	51·7	70·5	41·8	1276	613	184	202	229	48
22	June 5	53·3	71·9	33·5	1355	637	196	258	221	43
23	„ 12	59·0	87·5	40·7	1305	661	194	212	191	47
24	„ 19	51·3	73·0	39·4	1236	652	170	196	191	27
25	„ 26	54·3	73·4	41·4	1381	693	204	227	220	37
26	July 3	56·9	75·0	42·6	1231	642	172	196	187	34
27	„ 10	64·2	80·0	49·1	1279	660	194	205	178	42
28	„ 17	66·9	89·0	49·4	1313	758	150	204	168	33
29	„ 24	66·0	90·9	51·1	1600	1010	161	184	207	38
30	„ 31	64·0	79·8	49·7	1646	1080	181	204	148	33
31	August 7	59·8	76·5	45·4	1630	1100	159	163	171	37
32	„ 14	58·5	73·9	47·4	1591	1039	166	187	155	44
33	„ 21	58·7	75·1	46·2	1527	916	184	201	193	33
34	„ 28	68·4	89·0	50·3	1463	892	153	177	198	43
35	September 4	56·1	74·7	41·2	1391	886	162	153	161	29
36	„ 11	63·5	80·0	51·6	1601	986	183	198	188	46
37	„ 18	58·1	68·8	52·0	1409	861	159	197	155	37
38	„ 25	56·8	73·5	42·5	1362	824	148	198	156	36
39	October 2	58·8	75·1	46·6	1395	848	175	178	159	35
40	„ 9	56·7	73·9	44·9	1367	797	189	199	157	25
41	„ 16	54·5	73·1	39·6	1305	801	163	177	141	23
42	„ 23	42·7	55·5	32·0	1476	903	182	178	177	36
43	„ 30	40·0	55·4	27·9	1536	870	192	240	177	57
44	November 6	46·6	56·6	35·7	1772	997	226	223	282	44
45	„ 13	41·1	56·0	27·3	1689	957	197	245	239	51
46	„ 20	45·8	58·8	28·9	1859	1024	253	246	293	63
47	„ 27	41·0	49·9	26·8	1676	931	190	249	258	48
48	December 4	34·2	46·6	24·0	1705	989	178	243	246	49
49	„ 11	39·2	49·8	28·6	1759	966	187	260	279	67
50	„ 18	44·7	55·8	33·8	1566	832	176	237	260	61
51	„ 25	38·2	52·5	29·0	1357	726	159	212	220	40
52	(1870) Jan. 1	34·2	48·0	21·3	1996	997	244	297	366	92

TABLE exhibiting the NUMBERS of MALES and FEMALES at different AGES in LONDON, as found on 8th April 1861.

ALL AGES.		Under 5 Years.	5–	10–	15–	20–	25–	30–	35–	40–	45–	50–	55–	60–	65–	70–	75–	80–	85–	90–	95–	100 & upwards.
Both Sexes.	Males and Females.																					
3,303,989	M. 1,307,781	180,893	149,335	130,799	119,949	122,548	111,668	102,755	88,366	82,068	62,782	51,497	34,985	30,438	17,614	12,241	6,133	2,706	779	183	38	4
	F. 1,496,208	181,403	150,924	133,550	139,206	154,841	140,367	122,012	102,151	93,832	71,408	61,231	43,202	40,878	25,322	18,862	10,061	4,821	1,615	412	93	17

In England the proportion of Females in the population to Males is nearly as 105 to 100. In London it is as 114 to 100. The excess of Females is apparent in each quinquennium.

LONDON.—BIRTHS and DEATHS in the Fifteen Years 1855 to 1869.

YEARS.	1855	1856	1857 (53 weeks)	1858	1859	1860	1861	1862	1863 (53 weeks)	1864	1865	1866	1867	1868 (53 weeks)	1869
BIRTHS . . .	84944	86833	91048	88620	92556	92825	96389	97418	103897	102187	106722	107992	112264	115744	111930
DEATHS* . . .	61506	56786	60150	63882	61617	61821	65001	66950	72346	77723	73460	80129	70588	74908	77933
Excess of BIRTHS over DEATHS .	23438	30047	30898	24738	30939	31004	31388	30468	31551	24464	33262	27863	41676	40836	33997
BIRTHS . Males .	43352	44159	46770	45220	47189	47422	49076	49187	53225	52207	54110	54956	57402	58838	56876
BIRTHS . Females .	41592	42674	44278	43400	45367	45403	47313	48231	50672	49980	52612	53036	54862	56906	55054
DEATHS . Males .	31203	28894	30399	32563	31451	31486	33014	34133	37024	39353	37569	40978	36276	38390	39812
DEATHS . Females .	30303	27892	29751	31319	30166	30335	31987	32817	35322	38370	35891	39151	34312	36518	38121
DEATHS in FIVE GROUPS of DISTRICTS:—															
West . . .	9149	8661	8992	9500	9270	9793	10125	10273	11190	11972	11331	11499	11244	12066	12004
North . . .	12547	11610	12464	13296	12851	12787	13809	13889	15673	16685	16495	17301	16138	16529	17059
Central . . .	9995	9106	9727	9659	9532	9061	9682	9854	10270	10857	9968	9770	8804	8983	9149
East . . .	13254	12269	13584	14121	13270	13479	13741	15007	15871	17172	15881	20574	14818	16067	17506
South . . .	16561	15140	15383	17306	16694	16701	17644	17927	19342	21037	19785	20985	19584	21263	22215

* The deaths in this Table are compiled from the Weekly Returns, which embrace 364 days, and in three years 371 days; and for this reason the figures for all the years previous to 1869 differ from the numbers in 35 Districts (on page vii), which are, except those for 1869, derived from the returns for complete years from 1st January to 31st December.

MEAN TEMPERATURE at the ROYAL OBSERVATORY GREENWICH, and ANNUAL RATE of MORTALITY per 10(Persons living in FOURTEEN LARGE TOWNS of the UNITED KINGDOM, in each Week of 1869.

WEEKS ENDING.	MEAN TEMPERATURE AT GREENWICH.	ANNUAL RATE OF MORTALITY PER 1000.															ANNUAL DEATH-RAT in correspon ing Weeks	
		TOTAL OF 14 LARGE TOWNS.	LONDON.	BRISTOL.	BIRMINGHAM.	LIVERPOOL.	MANCHESTER.	SALFORD.	SHEFFIELD.	BRADFORD.	LEEDS.	HULL.	NEWCASTLE-ON-TYNE.	EDINBURGH.	GLASGOW.	DUBLIN.	PARIS.	BERLIN.
	°																	
YEAR (of 52 Weeks ending 1 Jan. 1870.)	49·5	26	25	24	22	29	29	27	28	26	26	25	26	30	34	24	—	32
March Quarter	41·3	28	25	27	21	30	31	28	29	27	28	26	30	33	40	29	—	33
June „	52·0	24	22	22	18	27	25	24	25	25	22	24	24	33	36	23	—	33
September „	61·4	25	24	22	21	30	29	26	26	25	27	25	24	27	28	21	23	34
December „	43·3	28	27	27	26	29	31	29	31	26	28	26	26	28	33	23	24	26
January 9	45·7	27	25	22	22	30	36	29	23	27	30	24	33	40	35	27	—	32
„ 16	40·4	26	25	22	20	30	26	33	25	24	31	25	28	27	27	24	—	31
„ 23	36·6	27	26	29	21	28	29	23	28	27	28	26	28	38	38	28	—	28
„ 30	40·7	30	29	31	24	33	33	30	25	26	32	25	31	33	42	32	—	35
February 6	49·2	28	27	34	22	31	31	29	26	28	26	23	34	33	37	31	—	36
„ 13	47·5	26	23	29	22	27	32	23	24	20	24	27	34	23	38	27	—	40
„ 20	45·5	27	25	24	20	27	29	31	30	30	25	32	38	30	35	27	—	33
„ 27	40·9	26	23	21	21	26	29	30	32	23	27	26	27	33	40	29	—	31
March 6	39·1	26	24	25	18	26	30	23	31	27	27	23	35	30	38	23	—	30
„ 13	35·6	28	25	25	21	30	33	28	37	27	27	27	27	34	44	31	—	31
„ 20	36·9	29	25	24	22	32	34	28	36	28	33	26	22	34	47	27	—	34
„ 27	38·7	29	26	31	17	31	31	25	31	32	21	30	26	36	46	33	—	31
April 3	39·0	30	27	29	20	34	32	30	33	29	27	27	32	36	46	38	—	30
„ 10	47·1	27	26	27	20	30	28	24	27	30	26	29	29	28	37	25	—	33
„ 17	55·2	28	26	27	21	27	26	31	28	31	24	31	35	32	44	31	—	32
„ 24	50·3	24	23	22	16	26	26	22	27	24	29	23	21	28	37	25	—	27
May 1	51·9	24	21	20	19	25	27	22	27	31	22	25	28	30	34	23	—	32
„ 8	50·5	25	23	23	16	28	26	25	25	21	23	24	23	30	36	21	—	28
„ 15	51·2	24	21	23	21	30	24	24	26	30	23	23	28	31	38	20	—	32
„ 22	50·0	23	21	20	17	27	24	22	26	25	20	22	18	27	35	24	—	31
„ 29	51·7	23	21	24	17	28	24	23	23	20	20	19	22	39	35	24	—	32
June 5	53·3	24	22	18	19	27	22	29	26	20	19	26	22	42	39	22	—	34
„ 12	59·0	23	21	21	16	26	27	24	20	24	20	19	25	35	37	22	—	36
„ 19	51·3	23	20	18	18	25	25	24	23	24	21	28	25	40	34	20	—	37
„ 26	54·3	24	23	20	18	27	23	21	21	19	24	23	17	35	36	18	—	38
July 3	56·9	22	20	17	19	27	22	23	18	20	20	20	18	32	33	20	23	34
„ 10	64·2	22	21	20	16	23	26	17	19	21	24	21	24	33	30	16	22	32
„ 17	66·9	22	22	17	17	26	26	23	21	21	21	20	17	34	27	17	22	35
„ 24	66·0	26	26	23	14	27	35	28	27	24	25	24	20	32	35	16	23	37
„ 31	64·0	28	27	21	22	36	37	27	25	26	30	17	26	21	32	20	22	38
August 7	59·8	27	27	26	22	35	33	28	27	24	28	19	27	28	29	24	22	45
„ 14	58·5	27	26	22	25	35	35	34	27	25	27	31	27	28	25	20	23	38
„ 21	58·7	25	25	28	19	31	29	29	25	25	27	24	25	28	23	18	22	35
„ 28	68·4	25	24	14	24	31	28	28	30	27	28	28	24	33	26	23	24	33
September 4	56·1	25	23	18	26	35	29	24	29	24	29	37	22	26	26	25	25	31
„ 11	63·5	27	26	23	25	31	29	23	27	26	32	35	24	24	27	22	24	27
„ 18	58·1	25	23	29	23	30	28	21	26	31	27	21	28	25	25	25	23	29
„ 25	56·8	24	22	21	23	28	25	24	27	25	28	26	24	19	29	24	23	26
October 2	58·8	24	23	22	20	28	23	30	25	21	25	26	23	22	25	24	20	28
„ 9	56·7	23	22	18	21	25	23	26	24	24	27	20	22	25	25	21	21	27
„ 16	54·5	23	21	24	24	26	27	31	22	27	23	23	24	21	24	22	21	24
„ 23	42·7	25	24	22	23	31	27	18	24	27	31	27	24	26	30	20	23	26
„ 30	40·0	26	25	23	25	32	31	29	27	24	28	24	32	22	27	21	24	26
November 6	46·6	28	29	30	22	26	27	29	30	26	28	25	30	24	29	26	25	25
„ 13	41·1	29	28	21	25	28	29	29	33	29	32	23	28	33	33	25	24	25
„ 20	45·8	30	31	27	24	29	33	28	31	24	28	30	27	33	36	23	25	26
„ 27	41·0	28	28	22	29	30	32	28	34	26	29	24	27	25	36	24	26	26
December 4	34·2	29	28	31	28	27	29	31	34	27	29	30	26	30	36	26	23	24
„ 11	39·2	31	29	33	25	30	38	32	41	31	25	29	30	37	43	25	24	24
„ 18	44·7	29	26	30	29	33	33	32	34	30	30	29	26	36	40	24	26	26
„ 25	38·2	25	22	29	26	25	29	24	30	16	22	23	23	27	36	25	27	28
1870: Jan. 1	34·2	33	33	39	35	34	39	40	37	27	30	30	25	34	37	28	25	27

METEOROLOGICAL TABLE FOR LONDON, 1869.

(Deduced from Observations, at Greenwich, under the Superintendence of the Astronomer Royal, and compiled from Quarterly Tables, furnished to the Registrar General by James Glaisher, Esq., F.R.S.)

Winter . . Jan., Feb., March. Spring . . April, May, June. Summer . . July, Aug., Sept. Autumn . . Oct., Nov., Dec.	Temperature of Air. Mean.	Temperature of Air. Diff. from Average of 28 Years.	Temperature of Air. Diff. from Average of 28 Years.	Temperature of Evaporation. Mean.	Temperature of Evaporation. Diff. from Average of 28 Years.	Temperature of Dew Point. Mean.	Temperature of Dew Point. Diff. from Average of 28 Years.	Temperature of Air—Daily Range. Mean.	Temperature of Air—Daily Range. Diff. from Average of 28 Years.	Elastic Force of Vapour. Mean.	Elastic Force of Vapour. Diff. from Average of 28 Years.	Weight of Vapour in a Cubic Foot of Air. Mean.	Weight of Vapour in a Cubic Foot of Air. Diff. from Average of 28 Years.	Degree of Humidity. Mean (Sat^{n} = 100).	Degree of Humidity. Diff. from Average of 28 Years.	Reading of Barometer. Mean.	Reading of Barometer. Diff. from Average of 28 Years.	Weight of a Cubic Foot of Air. Mean.	Weight of a Cubic Foot of Air. Diff. from Average of 28 Years.	Rain. Amount.	Rain. Diff. from Average of 54 Years.	Reading of Thermometer on Grass. Number of Nights it was: At or below 30°.	Between 30° and 40°.	Above 40°.	Lowest Reading at Night.	Highest Reading at Night.
1869.	°	°	°	°	°	°	°	°	°	in.	in.	grs.	gr.	°	°	in.	in.	grs.	grs.	in.	in.	Sums.			°	°
YEAR .	49·5	+1·0	+0·1	46·7	0·0	43·8	0·0	15·6	−0·3	·295	−·003	3·3	0·0	81	0	29·791	+0·014	542	0	24·1	−0·4	83	125	157	14·3	57·8
Winter Quarter .	41·3	+2·8	+1·7	39·4	+1·5	36·9	+1·5	11·4	−0·5	·221	+·013	2·5	+0·1	85	0	29·767	+0·003	551	−1	6·6	+1·6	33	44	13	20·2	44·1
Spring do. .	52·0	−0·2	−1·0	49·1	−0·2	46·1	+0·5	19·4	−0·5	·313	−·003	3·5	0·0	81	+4	29·800	+0·017	539	+1	5·6	−0·4	9	35	47	24·2	53·5
Summer do. .	61·4	+1·9	+1·3	57·0	+0·7	53·3	+0·4	19·5	−0·2	·408	+·004	4·6	+0·1	75	−3	29·846	+0·045	529	−1	4·9	−2·5	1	8	83	29·5	57·8
Autumn do. .	43·3	−0·5	−1·7	41·2	−1·9	38·8	−2·4	11·9	−0·1	·239	−·025	2·7	−0·3	84	−3	29·751	−0·010	548	+2	7·0	−0·1	40	38	14	14·3	48·2

In this Table, + and − respectively signify that the numbers in the *preceding* column are *above* or *below* the average to the extent of the quantities to which these signs are prefixed.

Report on the Analysis of the Waters supplied by the Metropolitan Water Companies during the several Months of the Year 1869. By Professor Frankland, F.R.S., &c.

Royal College of Chemistry,
February 10th, 1870.

Sir,

It is now my duty to submit to you a summary of the results of my examinations of the waters supplied to the Metropolis during the year 1869. The analytical methods employed are those which I used in the analysis of these waters during the previous two years, but during the past year I have added a microscopical examination of the sediment deposited from those waters which were delivered to consumers in a turbid condition. In these microscopical examinations my object has not been to enumerate the different species of living organisms found in these sediments, but rather to ascertain how far the processes of filtration adopted by the different companies can be trusted as means for the removal of such organisms from the waters of the Thames and Lea. The zymotic or germ theory of epidemic disease has gained so much ground amongst physiologists as to render it desirable that the character, organized or otherwise, of the suspended matter in all waters which have been exposed to excremental pollution, should be ascertained. As the result of these examinations, it has been found that, with rare exceptions, this suspended matter contains living organisms.

Table A. shows the temperatures possessed by the different waters as they issued from the companies' mains on the days when the samples were taken. It must be remembered, however, that owing to the intermittent system of supply, which is now nearly peculiar to the Metropolis, the temperatures given in this table are often very different from those at which the waters reach consumers when drawn from cisterns or water butts; thus, in the month of July last, the water delivered by the New River Company had a temperature of 16·4° C. (61·5° Fahr.); but at 11 P.M. of the 27th of July, the water drawn from a cistern supplied by this company marked 21·1° C. (70° Fahr.) on the thermometer. At this temperature even the best water is vapid and unpalatable.

Table B. exhibits the weight of solid impurity left on the evaporation of 100,000 parts by weight of each sample.

Table C. the weight of carbon contained in the organic matter constituting a portion of this solid impurity (organic carbon).

Table D. the weight of nitrogen contained in the same organic matter (organic nitrogen).

Table E. the weight of ammonia contained in 100,000 parts of the water.

Table F. the weight of nitrogen in the form of nitrates and nitrites.

Table G. the total weight of combined nitrogen.

Table H. the amount of previous sewage or animal contamination deduced from the amount of nitrogen in the form of nitrates, nitrites and ammonia, in excess of that contained in rain water in these forms.

Sewage and animal excrementitious matters are believed sometimes to contain organic poisons, which when taken into the stomach are capable of producing in the human subject, such diseases as cholera and typhoid fever.

These poisons cannot be discovered by chemical analysis. Like the infecting matter of small-pox, cow-pox, and glanders, and the venom of serpents, they can only be detected by their effects upon animals, and more especially upon man.

Outbreaks of cholera and enteric fever have been frequently traced to the use of drinking water which has been contaminated with sewage or animal excrements containing the peculiar infecting matters of these diseases.

Water which is subject to excremental pollution may thus at any time become dangerously infected.

The following is a copy of a memorandum upon this important subject just issued by the Rivers Pollution Commission :—

" DRINKING WATER.

MEMORANDUM No. 3.

Previous Sewage or Animal Contamination.

There is reason to believe that the excrementitious matters which exist in sewage are often possessed of intensely infectious properties ; and that sewage mixing with water, even in the minutest proportion, is likely, by such properties, to spread particular diseases among populations which drink the water.

Thus is explained the peculiar power which impure waters have, on many occasions, been shown to exercise in promoting great epidemics of typhoid fever and cholera.

The existence of an infectious property in water cannot be proved by chemical analysis, and is only learnt, too late, from the effects which the water produces on man. But though chemistry cannot prove any existing infectious property, it can prove, if existing, certain degrees of sewage contamination. And every sewage contamination which chemistry can trace ought, primâ facie, to be held to include the probability of infectious properties.

Nearly the whole of the animal matter which gains access to drinking water consists of sewage, that is solid and liquid excrements.

The column headed " Previous Sewage or Animal Contamination," in the accompanying analytical table, expresses, in terms of average London sewage, the amount of animal matter with which 100,000 lbs. of each water was, at some time or other, contaminated. So far as chemical analysis can show, the whole of this animal matter had been oxidized and converted into mineral and innocuous compounds at the time the analysis was made ; there is, however, always a risk lest some portion (not detectable by chemical or microscopical analysis) of the noxious constituents of the original animal matters should have escaped that decomposition which has resolved the remainder into innocuous mineral compounds. But this evidence of previous contamination implies much more risk, when it occurs in water from rivers and shallow wells, than when it is met with in the water of deep wells or of deep-seated springs. In the case of river water there is great probability that the morbific matter, sometimes present in animal excreta, will be carried rapidly down the stream, escape decomposition, and produce disease in those persons who drink the water, as the organic matter of sewage undergoes decomposition very slowly when it is mixed with running water. In the case of shallow-well water, the decomposition and oxidation of the organic matter are also very liable to be incomplete during the rapid passage of polluted surface water into shallow wells. In the case of deep-well and spring water, however, if the proportion of previous contamination be small, this risk is very inconsiderable, and may be regarded as nil if the direct access of water from the upper strata be rigidly excluded ; because the excessive filtration to which such water has been subjected in passing downwards through so great a thickness of soil or rock, and the rapid oxidation of the organic matters contained in water when the latter percolates through a porous and aërated soil, afford a considerable guarantee that all noxious constituents have been removed.

It follows from what has been already stated that chemical analysis cannot discover the noxious ingredient or ingredients in water polluted by infected sewage or animal excreta ; and as it cannot thus distinguish between infected and non-infected sewage, the only perfectly safe course is to avoid altogether the use, for domestic purposes, of water which has been polluted with excrementitious matters.

This is the more to be desired because there is no practicable process known, whereby water, once contaminated by infected sewage, can be so purified as to render its domestic use entirely free from risk.

Nevertheless, as it is very difficult in some localities to obtain water, which has not been more or less polluted by excrementitious matters, it is desirable to divide such previously contaminated drinking waters into three classes, viz. :—

1. Reasonably safe water.
2. Suspicious or doubtful water.
3. Dangerous water.

Reasonably safe water.—Water, although it exhibits previous sewage or animal contamination, may be regarded as reasonably safe, when it is derived either from deep wells (say 100 feet deep), or from deep-seated springs ; provided that surface water be rigidly excluded from the well or spring, and that the proportion of previous contamination do not exceed 5,000 parts in 100,000 parts of water.

Suspicious or doubtful water is, 1st, river or flowing water which exhibits 5,000 parts per 100,000, or any less proportion, however small, of previous sewage or animal contamination ; and, 2nd, well or spring water containing from 5,000 to 15,000 parts of previous contamination in 100,000 parts of water.

Dangerous water is, 1st, river or flowing water, which exhibits more than 5,000 parts of previous animal contamination in 100,000; 2d, river or flowing water containing less than 5,000 parts of previous contamination in 100,000 parts, but which is known from an actual inspection of the river or stream, to receive sewage, either discharged into it directly or mingling with it as surface drainage. River or running water should only be placed in the second class provisionally, pending an inspection of the banks of the river and tributaries; which inspection will obviously transfer it either to the class of reasonably safe water, if the previous contamination be derived exclusively from spring water, or to the class of dangerous water, if any part of the previous contamination be traced to the direct admission of sewage or excrementitious matters. 3d. As the risk attending the use of all previously contaminated water increases in direct proportion to the amount of such contamination, well or deep-seated spring water exhibiting more than 15,000 parts of previous contamination in 100,000 must be regarded as dangerous."

From Table I. showing the proportion of chlorine in each sample of water, we learn that the Mole contains more of this element than the Thames, since the Chelsea and Lambeth Companies, whose intake is below the junction of these rivers, exhibit a higher average proportion of chlorine than that present in the water abstracted by the other Thames companies above the junction. Other things being equal, an increase of chlorine in a river water indicates a larger admixture of urine, and we accordingly find in table H. that the Thames below its junction with the Mole exhibits, on the average, markedly more evidence of previous sewage contamination than does the water abstracted from the Thames above the junction.

Table K. shows the hardness of each sample of water, that is the number of parts by weight of carbonate of lime (or its equivalent of other soap-destroying compounds) contained in 100,000 parts of the water.

Finally Table L. contains the annual average of each determination, and thus exhibits the mean results yielded by the water supplied by each company throughout the year.

Comparing the mean results of the past year with those of 1868, it is seen that the mean temperatures of each company's water were in some cases absolutely identical, and in all the others nearly so.

All the companies drawing from the Thames delivered water containing a considerably smaller proportion of solid impurity in 1869 than in 1868. On the other hand the water of the New River and East London Companies drawn from the Lea exhibit a marked augmentation of solid impurity in 1869 as compared with 1868. The water of the Thames has therefore improved in this respect, whilst that of the Lea has deteriorated. 100,000 parts of the water of the Kent Company contained on the average 4·1 parts of solid impurity less in 1869 than in 1868. Of Thames water, that delivered by the West Middlesex and Lambeth Companies contained on the average less organic carbon, whilst that supplied by the Chelsea, Southwark, and Grand Junction Companies contained more in 1869 than in 1868. Organic nitrogen was present in smaller quantity in the Chelsea and Lambeth Companies' waters in 1869 than in 1868, whilst the West Middlesex, Southwark, and Grand Junction waters contained last year slightly augmented proportions of this element. The water abstracted from the Lea by the New River and East London Companies, and that pumped from deep wells in the chalk by the Kent Company, contained both organic carbon and organic nitrogen in larger proportions in 1869 than in the previous year, nevertheless they still contain markedly smaller proportions of these organic elements than the waters abstracted from the Thames.

All the river water delivered in London exhibited on the average a higher previous sewage or animal contamination during the past year than in 1868. On the other hand the Kent company's deep well water afforded less evidence of such previous pollution.

The mean hardness of every water delivered in London during the year 1869 was greater than during 1868. On the average the water delivered to consumers during the year 1868 was nearly 1° harder than that supplied during the previous year; but in 1869 the average hardness has again increased by nearly 2°.

The filtration of much of the water supplied to London still continues imperfect, as is seen from the following table showing the condition of the various samples on the twelve occasions when they were drawn from the companies' mains.

	Number of Occasions when clear and transparent.	Number of Occasions when slightly turbid.	Number of Occasions when turbid.	Number of Occasions when very turbid.
THAMES.				
Chelsea	7	3	2	0
West Middlesex	12	0	0	0
Southwark	4	5	1	2
Grand Junction	8	3	1	0
Lambeth	5	3	1	3
OTHER SOURCES.				
New River	12	0	0	0
East London	6	3	2	1
Kent	12	0	0	0

The West Middlesex, New River, and Kent Companies did not deliver a single turbid sample during the entire year. In my last annual report to you, the West Middlesex Company alone exhibited this evidence of unvarying efficiency of filtration. It is therefore gratifying to find that this most important feature of water supply is receiving more attention from the water companies.

In consequence of the frequent instances of turbidity in the water supplied by the Southwark and Vauxhall and Lambeth water Companies, the Medical Officer of the Privy Council directed an inquiry to be made into the causes of this turbidity. The investigation was entrusted to Mr. J. Netten Radcliffe, who, in July last, made a valuable and elaborate report on the subject. He found the turbidity of the Southwark and Vauxhall Company's water to be due : 1st, to deficiency of provision for subsidence ; 2d, insufficiency of area of filtering surface ; 3d, in certain instances, to the admission of tidal water from the Thames into the reservoirs at Battersea, either by direct inflow, by soakage, or by leakage ; and 4th, to the admission of unfiltered water from the subsidence reservoirs into the pump wells. Mr. Radcliffe adds that "it should be required absolutely of the company that the "communication of the reservoirs at Battersea with the tidal portion of the "Thames by means of the old conduit leading to Battersea Reach, and the direct "communication of the subsidence reservoirs with the pumping wells, should be "entirely cut off."

This company has since improved and extended its filtering apparatus and during the four last months of the year it has supplied perfectly clear and transparent water.

As regards the turbidity of the Lambeth Company's water, Mr. Radcliffe reports that it is due, 1st, to the objectionable source of supply (the intake being, like that of the Chelsea Company, below the junction of the turbid Mole with the Thames) ; 2d, to insufficient provision for subsidence ; and 3d, to insufficient apparatus for filtration.

No substantial improvement seems to have yet been made in this company's arrangements, as the water delivered in December last was very turbid, and contained numerous living organisms.

The following table shows the number of samples (out of a total of 12) of each company's water in which living organisms were found during the past year :—

	Number of occasions when living organisms were seen.
Chelsea	3
West Middlesex	0
Southwark	8
Grand Junction	4
Lambeth	5
New River	0
East London	4
Kent	0

The question alluded to in my last annual report, regarding the alleged self purification of rivers contaminated by sewage, has been fully investigated by the Rivers Pollution Commission. In their report, just presented to Parliament, on the rivers of the Mersey and Ribble basins, after stating the results of numerous experiments which they have made in connection with the subject, the Commissioners say, "it is thus evident, that, so far from sewage mixed with 20 times "its volume of water being oxidized during a flow of 10 or 12 miles, scarcely two "thirds of it would be so destroyed in a flow of 168 miles, at the rate of 1 mile "per hour, or after the lapse of a week. But even this result is arrived at by a "series of assumptions, which are all greatly in favour of the efficiency of the "oxidizing process. Thus, for instance, it is assumed that the 62·3 per cent. of "sewage is thoroughly oxidized and converted into inoffensive inorganic matter, "but the experiments showed that, in fact, no sewage whatever was so converted "or destroyed even after the lapse of a week, since the amount of carbonic acid "dissolved in the water remained constant during the whole period of the experiment, whilst, if the sewage had been converted into inorganic compounds, the "carbonic acid, as one of these compounds, must have increased in quantity. "Thus, whether we examine the organic pollution of a river at different points "of its flow, or the rate of disappearance of the organic matter of sewage, when "the latter is mixed with fresh water and violently agitated in contact with air, "or, finally, the rate at which dissolved oxygen disappears in water polluted with "five per cent. of sewage, we are led in each case to the inevitable conclusion "that the oxidation of the organic matter in sewage proceeds with extreme "slowness, even when the sewage is mixed with a large volume of unpolluted "water, and that it is impossible to say how far such water must flow before the "sewage matter becomes thoroughly oxidized. It will be safe to infer, however, "from the above results that there is no river in the United Kingdom long enough "to effect the destruction of sewage by oxidation."

The intermittent system of distribution still prevails in London, although the Royal Commission on Water Supply have reported "that the constant service "system ought to be promptly introduced to the farthest extent possible in the "supply of the Metropolis."

Out of 22 towns in Lancashire and Cheshire, the water supply of which was recently investigated by the Rivers Pollution Commission, it appears that there is only one which is not supplied on the constant system, and even this exceptional town has a constant supply for from 12 to 15 hours out of the 24. It is singular that a system of supply which is elsewhere almost universal, and which all unite in regarding as an urgent sanitary necessity in all large towns, should be found so difficult to introduce into the Metropolis.

I have, &c.
E. FRANKLAND.

The Registrar General,
&c. &c. &c.

Table A.

Temperature (in Centigrade degrees) of the Metropolitan Waters, as delivered from the Companies' Mains.

Names of Companies.	1869.												
	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	9·4	9·4	8·0	12·2	13·9	16·7	16·1	18·9	16·1	15·0	10·0	7·5	12·8
West Middlesex -	7·8	9·7	7·2	12·8	14·2	17·5	16·7	19·7	16·4	15·5	9·6	6·7	12·8
Southwark - -	8·3	10·6	8·0	13·9	15·0	17·7	17·2	19·7	16·1	16·1	10·4	6·7	13·3
Grand Junction -	8·3	9·2	6·6	12·5	13·3	16·1	16·1	18·9	15·0	14·7	9·7	6·1	12·4
Lambeth - -	7·8	9·4	8·0	12·8	13·6	16·7	16·1	19·2	15·8	15·0	9·4	7·2	12·6
Other Sources.													
New River - -	7·2	8·6	7·2	11·9	13·9	16·7	16·4	19·4	16·4	15·3	9·4	7·2	12·5
East London -	9·4	10·0	8·3	13·3	13·6	13·9	15·8	17·8	16·7	15·5	11·0	6·7	12·7
Kent - - -	11·7	11·7	11·1	13·6	13·3	12·8	13·3	15·0	13·3	13·6	11·1	6·7	12·3

Table B.

Weight of Solid Impurity in 100,000 parts of the Waters.

Names of Companies.	1869.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	28·02	26·64	30·14	29·50	27·0	26·8	24·7	25·2	25·24	25·52	27·34	27·6	26·97
West Middlesex -	29·02	28·78	30·18	28·50	26·5	26·8	25·5	23·9	24·58	23·52	26·94	27·4	26·80
Southwark - -	30·84	27·86	30·04	28·98	27·1	26·6	25·2	23·9	25·80	25·00	26·20	27·9	27·12
Grand Junction -	29·46	28·44	30·18	29·20	26·8	28·5	25·8	25·0	25·62	25·44	27·10	27·6	27·43
Lambeth - -	28·02	27·60	29·56	28·50	27·6	27·7	25·1	25·2	25·00	25·80	28·70	28·6	27·28
Other Sources.													
New River - -	30·70	32·00	29·80	28·40	26·6	28·1	27·1	24·0	24·20	25·01	25·90	28·9	27·56
East London -	35·00	35·92	32·72	30·00	28·9	25·24	22·2	22·5	26·80	27·20	27·60	29·4	28·62
Kent - - -	41·00	42·64	40·80	42·00	41·3	41·26	40·2	41·0	42·30	42·20	40·10	40·1	41·24

Table C.

Organic Carbon in 100,000 parts of the Waters.

Names of Companies.	1869.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·458	·475	·181	·132	·266	·140	·116	·125	·087	·178	·147	·289	·216
West Middlesex -	·377	·336	·185	·118	·165	·196	·116	·088	·089	·116	·145	·139	·172
Southwark - -	·515	·686	·206	·209	·273	·133	·138	·111	·078	·192	·147	·180	·239
Grand Junction -	·384	·607	·150	·126	·269	·197	·161	·098	·086	·157	·158	·233	·219
Lambeth - -	·414	·526	·171	·121	·279	·190	·126	·126	·101	·191	·169	·362	·231
Other Sources.													
New River - -	·263	·291	·127	·068	·117	·091	·058	·070	·052	·060	·063	·075	·111
East London -	·310	·298	·236	·100	·120	·128	·046	·068	·069	·119	·118	·117	·144
Kent - - -	·077	·135	·061	·030	·052	·034	·042	·018	·052	·071	·079	·076	·061

Table D.

Organic Nitrogen in 100,000 parts of the Waters.

Names of Companies.	1869.												
	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - - -	·044	·067	·026	·026	·024	·020	·016	·021	·015	·019	·018	·045	·028
West Middlesex -	·046	·042	·021	·025	·016	·034	·024	·017	·021	·017	·016	·018	·025
Southwark - -	·080	·079	·035	·037	·035	·029	·024	·017	·022	·019	·021	·030	·036
Grand Junction -	·058	·068	·027	·026	·029	·035	·026	·021	·030	·016	·020	·030	·032
Lambeth - -	·043	·058	·016	·026	·024	·033	·025	·018	·026	·020	·021	·045	·030
Other Sources.													
New River - -	·036	·042	·014	·020	·016	·017	·017	·018	·015	·019	·008	·014	·020
East London -	·036	·029	·025	·030	·023	·022	·028	·016	·023	·016	·021	·016	·024
Kent - - -	·013	·010	·017	·012	·008	·019	·009	·008	·015	·025	·014	·016	·014

Table E.

Ammonia in 100,000 parts of the Waters.

Names of Companies.	1869.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·001	·002	·001	·000	·001	·002	·001	·000	·000	·000	·001	·001	·001
West Middlesex -	·002	·001	·000	·000	·001	·000	·000	·001	·000	·001	·000	·000	·001
Southwark - -	·006	·003	·002	·001	·001	·000	·001	·001	·000	·001	·000	·000	·001
Grand Junction -	·002	·004	·001	·001	·002	·002	·002	·000	·000	·000	·000	·000	·001
Lambeth - -	·002	·003	·001	·000	·001	·000	·002	·000	·001	·000	·000	·002	·001
Other Sources.													
New River - -	·001	·001	·000	·000	·001	·000	·000	·000	·001	·000	·000	·000	·000
East London -	·002	·001	·001	·001	·001	·000	·000	·000	·000	·000	·000	·000	·001
Kent - - -	·001	·000	·000	·000	·000	·000	·000	·000	·000	·000	·000	·000	·000

Table F.

Nitrogen as Nitrates and Nitrites in 100,000 parts of the Waters.

Names of Companies.	1869.												
	Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·364	·230	·387	·280	·216	·164	·177	·157	·163	·113	·240	·351	·237
West Middlesex -	·362	·286	·186	·250	·176	·169	·172	·121	·108	·155	·224	·260	·206
Southwark - -	·337	·220	·338	·229	·207	·186	·112	·121	·095	·161	·228	·265	·208
Grand Junction -	·340	·274	·302	·275	·208	·120	·122	·129	·115	·178	·230	·277	·214
Lambeth - -	·352	·279	·288	·287	·252	·215	·186	·160	·148	·143	·268	·406	·249
Other Sources.													
New River - -	·464	·387	·348	·286	·204	·126	·220	·169	·156	·175	·264	·274	·256
East London -	·578	·450	·297	·274	·184	·006	·150	·085	·108	·129	·164	·208	·219
Kent - - -	·399	·391	·403	·373	·377	·400	·378	·421	·390	·439	·395	·377	·395

Table G.

Total combined Nitrogen in 100,000 parts of the Waters.

Names of Companies.	1869.												
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	·409	·299	·414	·306	·241	·186	·194	·178	·178	·132	·259	·397	·266
West Middlesex -	·410	·329	·207	·275	·193	·203	·196	·139	·129	·173	·240	·278	·231
Southwark - -	·422	·302	·375	·267	·243	·215	·137	·139	·117	·181	·249	·295	·245
Grand Junction -	·400	·345	·330	·302	·239	·157	·150	·150	·145	·194	·250	·307	·247
Lambeth - -	·397	·340	·305	·313	·277	·248	·213	·178	·175	·163	·289	·453	·279
Other Sources.													
New River - -	·501	·430	·362	·306	·221	·143	·237	·187	·172	·194	·272	·288	·276
East London -	·616	·480	·323	·305	·208	·028	·178	·101	·131	·145	·185	·224	·244
Kent - - - -	·413	·401	·420	·385	·385	·419	·387	·429	·405	·464	·409	·393	·409

Table H.

Previous Sewage or Animal Contamination in 100,000 parts of the Waters.

Names of Companies.	1869.												
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	3330	2000	3560	2480	1850	1340	1460	1250	1310	810	2090	3200	2057
West Middlesex -	3320	2550	1540	2180	1450	1370	1400	900	760	1240	1920	2280	1742
Southwark - -	3100	1910	3080	1980	1760	1540	810	900	630	1300	1960	2330	1775
Grand Junction -	3100	2450	2710	2440	1780	900	920	970	830	1460	1980	2450	1832
Lambeth - -	3220	2500	2570	2550	2210	1830	1560	1280	1170	1110	2360	3760	2177
Other Sources.													
New River - -	4330	3560	3160	2540	1730	940	1880	1370	1250	1430	2320	2420	2244
East London -	5480	4190	2660	2430	1530	0	1180	530	760	970	1320	1760	1901
Kent - - -	3680	3590	3710	3410	3450	3680	3460	3890	3580	4070	3630	3450	3633

Table I.

Chlorine in 100,000 parts of the Waters.

Names of Companies.	1869.												
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	1·886	1·75	1·90	2·00	1·73	1·73	1·60	1·52	1·70	1·65	1·75	1·70	1·74
West Middlesex -	1·886	1·90	1·80	1·65	1·70	1·70	1·64	1·50	1·73	1·65	1·73	1·52	1·70
Southwark - -	1·886	1·70	1·75	1·65	1·70	1·68	1·63	1·50	1·78	1·60	1·72	1·58	1·68
Grand Junction -	1·986	1·65	1·63	1·60	1·71	1·72	1·62	1·57	1·70	1·70	1·80	1·60	1·69
Lambeth - -	1·837	1·75	1·78	1·85	1·84	1·72	1·69	1·53	1·68	1·65	1·75	1·80	1·74
Other Sources.													
New River - -	1·688	1·65	1·63	1·75	1·64	1·46	1·56	1·43	1·60	1·50	1·60	1·38	1·57
East London -	2·085	2·10	2·10	1·84	1·77	1·72	1·77	1·72	1·74	1·70	1·88	1·70	1·84
Kent - - -	2·433	2·25	2·33	2·45	2·38	2·46	2·40	2·30	2·30	2·80	2·38	2·50	2·41

Table K.

Degrees of Hardness (1 deg. = 1 part of carbonate of lime, or its equivalent,) in 100,000 parts of the Waters.

Names of Companies.	1869.												
	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Thames.													
Chelsea - -	19·81	18·34	23·2	23·21	22·5	21·5	20·3	20·6	21·52	19·19	22·0	19·47	20·97
West Middlesex -	21·65	21·35	23·5	23·52	22·2	21·4	20·3	20·3	21·22	18·06	20·0	22·62	21·34
Southwark - -	20·11	20·73	24·8	24·15	23·4	22·1	20·8	20·3	21·52	19·90	20·5	21·75	21·67
Grand Junction -	21·35	20·61	24·8	24·15	22·9	21·8	20·6	20·3	20·93	18·91	20·8	22·62	21·65
Lambeth - -	18·34	18·63	25·7	24·15	23·2	22·1	20·3	20·3	21·52	19·76	20·0	18·92	21·08
Other Sources.													
New River - -	21·65	24·46	25·0	24·5	24·1	22·0	21·2	20·3	20·93	19·19	20·2	25·25	22·40
East London -	23·05	26·96	25·7	24·5	24·5	20·0	18·8	20·2	23·01	21·81	20·8	25·25	22·88
Kent - - -	29·26	32·08	31·1	31·8	31·4	29·0	30·9	29·9	29·93	31·19	27·8	29·95	30·36

Table L.

Averages for 1869.

The numbers in this Table relate to 100,000 parts of each Water.

Names of Companies.	Temperature in Centigrade Degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage or Animal Contamination. (Estimated.)	Chlorine.	Total Hardness.
Thames.										
Chelsea - - - - -	12·8	26·97	·216	·028	·001	·237	·266	2057	1·74	20·97
West Middlesex - - -	12·8	26·80	·172	·025	·001	·206	·231	1742	1·70	21·34
Southwark - - - - -	13·3	27·12	·239	·036	·001	·208	·245	1775	1·68	21·67
Grand Junction - - - -	12·4	27·43	·219	·032	·001	·214	·247	1832	1·69	21·65
Lambeth - - - - -	12·6	27·28	·231	·030	·001	·249	·279	2177	1·74	21·08
Other Sources.										
New River - - - - -	12·5	27·56	·111	·020	·000	·256	·276	2244	1·57	22·40
East London - - - -	12·7	28·62	·144	·024	·001	·219	·244	1901	1·84	22·88
Kent - - - - - -	12·3	41·24	·061	·014	·000	·395	·409	3633	2·41	30·36

AVERAGE NUMBER of HOUSES, &c. supplied by the several LONDON WATER COMPANIES during the Year 1869; the AVERAGE DAILY SUPPLY OF WATER in Gallons, in Cubic Metres* for all purposes, in Cubic Metres for Domestic purposes, and the Number of Decalitres† supplied to each House. (Compiled from Returns furnished by the several Water Companies during the Year.)

WATER COMPANIES.	AVERAGE NUMBER of HOUSES supplied during the Year.	AVERAGE DAILY SUPPLY OF WATER DURING THE YEAR IN			
		Gallons.‡	Cubic Metres.‡	Cubic Metres for Domestic purposes (estimated).	Decalitres for Domestic purposes daily to each House.
Total - -	466,430	99,741,135	453,369	371,763	79·7
FROM THAMES - - - -	213,499	51,591,455	234,507	192,296	90·1
FROM LEA AND OTHER SOURCES - -	252,931	48,149,682	218,862	179,467	71·0
FROM THAMES.					
CHELSEA - - - - -	27,236	8,475,967	38,527	31,592	116·0
WEST MIDDLESEX - - -	39,646	8,185,072	37,205	30,508	77·0
SOUTHWARK AND VAUXHALL - -	73,129	14,409,576	65,498	53,708	73·4
GRAND JUNCTION - - -	30,460	10,146,055	46,118	37,817	124·2
LAMBETH - - - -	43,028	10,374,783	47,159	38,671	89·9
FROM LEA AND OTHER SOURCES.					
NEW RIVER - - - -	116,404	22,875,833	103,981	85,265	73·2
EAST LONDON - - - -	98,457	18,353,861	83,427	68,410	69·5
KENT - - - - -	38,070	6,919,988	31,454	25,792	67·7
Columns - -	1.	2.	3.	4.	5.

Note.—According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that during the year 1866, on an average, 82 per cent. of the total average daily supply of water for all purposes was for domestic use; the proportions supplied for the year 1866 have been applied in estimating the quantities for the year 1869 in column 4., showing the cubic metres probably used for domestic purposes.

The average daily quantity of water supplied by the London Companies during the year 1869 was 99,741,135 gallons (453,369 cubic metres, equal to about as many *tuns* by measure, *tons* by weight), of which about 81,787,731 gallons (371,763 cubic metres) were probably used for domestic purposes. The quantity used for house supply daily was 79·7 decalitres to each house and 11·2 decalitres (=24·69 gallons) to each person.

* A cubic metre is equal in volume to 35·3 cubic feet, or to 220 imperial gallons. It is nearly equivalent to the old English *tun* of four hogsheads, holding 35·248 cubic feet. It is in general use on the Continent; and its volume of water weighs a metric ton, differing inconsiderably in weight from the ton in common use.

† One gallon equals ·4543458 of a decalitre; and 100 decalitres equal 1 cubic metre.

‡ The quantities of water in columns 2. and 3. include the supply for manufactures and for various purposes other than for domestic consumption.

The water companies in their returns reckon uninhabited as well as inhabited houses.

TABLES showing the NUMBER of HOUSES, &c. supplied by the several LONDON WATER COMPANIES during each MONTH of the Year 1869; also the AVERAGE DAILY SUPPLY OF WATER IN GALLONS by the several Companies during each MONTH. (Compiled from Returns furnished by the several Companies during the Year.)

COMPANIES.	NUMBER OF HOUSES, &c. SUPPLIED IN											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
Total Houses supplied -	461,220	461,561	462,097	463,428	464,001	464,798	466,969	467,577	468,127	469,504	473,876	474,010
FROM THAMES - - - - - -	210,205	210,487	210,935	211,633	212,059	212,766	213,199	213,616	213,991	214,824	219,082	219,194
FROM LEA AND OTHER SOURCES - -	251,015	251,074	251,162	251,795	251,942	252,032	253,770	253,961	254,136	254,680	254,794	254,816
FROM THAMES.												
CHELSEA - - - - - -	27,083	27,083	27,083	27,212	27,212	27,212	27,212	27,212	27,212	27,435	27,435	27,435
WEST MIDDLESEX - - - - -	39,131	39,131	39,242	39,435	39,507	39,720	39,720	39,760	39,760	40,016	40,163	40,163
SOUTHWARK AND VAUXHALL - -	72,257	72,292	72,335	72,377	72,409	72,445	72,483	72,517	72,562	72,596	76,623	76,657
GRAND JUNCTION - - - - -	29,828	29,923	30,021	30,159	30,295	30,411	30,599	30,698	30,804	30,929	30,929	30,929
LAMBETH - - - - - -	41,906	42,058	42,254	42,450	42,636	42,978	43,185	43,429	43,653	43,848	43,932	44,010
FROM LEA AND OTHER SOURCES.												
NEW RIVER - - - - - -	115,579	115,638	115,726	115,985	116,132	116,222	116,511	116,702	116,877	117,076	117,190	117,212
EAST LONDON - - - - -	97,971	97,971	97,971	97,971	97,971	97,971	98,944	98,944	98,944	98,944	98,944	98,944
KENT - - - - - -	37,465	37,465	37,465	37,839	37,839	37,839	38,315	38,315	38,315	38,660	38,660	38,660

COMPANIES.	AVERAGE DAILY SUPPLY OF WATER IN GALLONS DURING THE MONTH OF											
	January.	February.	March.	April.	May.	June.	July.	August.	Sept.	Oct.	Nov.	Dec.
Total Quantities supplied -	91,578,341	92,323,860	94,584,402	97,313,153	99,830,840	103,670,995	110,094,058	106,414,863	106,740,029	103,363,482	97,329,081	93,650,519
FROM THAMES - - - - - -	48,037,158	48,271,799	48,738,483	50,069,663	52,606,950	53,447,192	56,993,196	54,562,627	54,813,130	53,102,902	50,012,445	48,441,889
FROM LEA AND OTHER SOURCES - -	43,541,183	44,052,061	45,845,919	47,243,490	47,223,890	50,223,803	53,100,862	51,852,236	51,926,899	50,260,580	47,316,636	45,208,630
FROM THAMES.												
CHELSEA - - - - - -	8,247,000	7,678,200	8,306,300	8,108,700	8,662,000	9,019,100	9,681,400	9,318,200	9,052,300	8,474,400	7,640,300	7,523,700
WEST MIDDLESEX - - - - -	7,689,933	7,678,005	7,507,928	7,844,425	8,363,927	8,257,317	9,501,568	9,039,091	8,531,236	8,339,182	7,785,674	7,682,577
SOUTHWARK AND VAUXHALL - -	13,901,382	13,638,569	13,649,260	13,713,627	14,193,698	14,456,271	14,531,976	14,572,776	14,714,794	15,260,382	15,169,232	15,112,945
GRAND JUNCTION - - - - -	8,649,443	9,732,125	9,635,895	10,419,911	10,676,225	11,090,104	11,409,952	9,984,760	10,859,300	10,393,838	9,643,339	9,257,767
LAMBETH - - - - - -	9,549,400	9,544,900	9,639,100	9,983,000	10,711,100	10,624,400	11,868,300	11,647,800	11,655,500	10,635,100	9,773,900	8,864,900
FROM LEA AND OTHER SOURCES.												
NEW RIVER - - - - - -	19,772,000	20,183,000	21,962,000	22,394,000	22,686,000	24,719,000	25,466,000	24,848,000	24,879,000	24,402,000	22,416,000	20,783,000
EAST LONDON - - - - -	17,310,000	17,593,835	17,750,000	18,216,868	17,806,000	18,399,000	19,540,900	19,266,000	19,606,000	18,889,000	17,802,000	18,066,732
KENT - - - - - -	6,459,183	6,275,226	6,133,919	6,632,622	6,731,890	7,105,803	8,093,962	7,738,236	7,441,899	6,969,580	7,098,636	6,358,898

Fires in London during the Year 1869.*

The Report of Captain Shaw, the Chief Officer of the Metropolitan Fire Brigade, shows that 1572 fires were attended by the brigade during the year 1869, being a decrease of 96 on the previous year, but compared with the average of the last 10 years the increase is 230. The number of serious fires (199) compares favourably with the "slight losses" (1373) of the year. 102 accidents occurred to members of the brigade.

The establishment consists of 378 firemen at 50 fire-engine and 3 floating stations, distributed over an area of about 100 square miles. In addition to two floating steam fire engines, there are 110 land engines, of which 25 are steam and 85 are manual fire engines. The number of watches kept up throughout the Metropolis is at present 103 by day and 173 by night. The fire-escape service, which forms a branch of the duties of the fire brigade, consists of 102 fire escapes at 91 stations.

Table showing the Number of False Alarms and of Fires attended during each Month of the Year 1869.

1869.	False and Chimney Alarms.			Fires.			Total Calls.
	False.	Chimneys.	Total.	Seriously damaged.	Slightly damaged.	Total.	
Total - -	120	92	212	199	1,373	1,572	1,784
January - - -	13	7	20	10	113	123	143
February - - -	10	6	16	9	96	105	121
March - - -	4	19	23	17	138	155	178
April - - - -	8	8	16	7	104	111	127
May - - -	12	6	18	16	88	104	122
June - - - -	8	5	13	16	105	121	134
July - - -	13	8	21	19	138	157	178
August - - -	12	8	20	16	117	133	153
September - - -	9	4	13	20	94	114	127
October - - -	9	7	16	20	127	147	163
November - - -	14	6	20	18	127	145	165
December - - -	8	8	16	31	126	157	173

The following trades experienced the greater number of fires: bakers 16, beershop keepers 24, booksellers, binders, and stationers 14, boot and shoe makers 29, builders 19, butchers and pork butchers 16, cabinet-makers 34, carpenters 26, chairmakers 11, chemists 13, coffee and eating house keepers 15, confectioners and pastrycooks 11, drapers 31, furniture brokers 17, greengrocers and fruiterers 17, grocers 36, hotel keepers 15, laundry keepers 11, marine-store dealers 9, oil and colourmen 22, tailors, clothiers, and outfitters 30, tobacconists 12, victuallers 65, and wine and spirit merchants 14. In buildings under erection and in course of repair 16 fires, in offices 22, in private dwellings 326, in unoccupied premises 23, in warehouses 15, and 20 fires amongst farming stock.

Among prolific causes of fires may be enumerated, airing linen 20 fires, candle 202, children playing with fire, fireworks, and lucifers 43, caused by flues 127, gas 141, hot ashes 24, lamps 30, light thrown down area 28, lucifers 30, smoking tobacco 44, sparks 158, spontaneous ignition 14, stoves 46, 3 stated to be caused by heat of the sun, and by tar, turpentine, chemicals, &c. 14. In 444 instances the causes were unknown, and 16 fires are attributed to incendiarism.

Of the 1572 fires, 220 occurred on Sundays, 220 on Mondays, 229 on Tuesdays, 251 on Wednesdays, 199 on Thursdays, 235 on Fridays, and 218 on Saturdays. 580 of the fires broke out in the five hours preceding midnight, the tenth hour contributing the greatest number, 134. The number of deaths and of injuries resulting from these fires to other persons than those in the brigade are not given in the Report.

* Derived from the Annual Report of the Chief Officer of the Metropolitan Fire Brigade.

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WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING-ST., FETTER LANE, E.C.

No. 1. 1869. Vol. XXX.] Week ending Saturday, January 9. [Price 1*d.*

General Register Office, Somerset House,
11th January 1869.

In the week that ended on Saturday, 9th January, 4871 births, and 3404 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 27 per 1000 persons living.

The annual rate of mortality last week was 25 per 1000 in London, 40 in Edinburgh, and 27 in Dublin; 22 in Bristol, 22 in Birmingham, 30 in Liverpool, 36 in Manchester, 29 in Salford, 23 in Sheffield, 27 in Bradford, 30 in Leeds, 24 in Hull, 33 in Newcastle-upon-Tyne, and 35 in Glasgow. The rate in Vienna was 29 per 1000 during the week ending the 2d inst., and in Berlin 32 per 1000 during the seven days ending the 7th instant.

In London the births of 1243 boys and 1166 girls, in all 2409 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2256.

The deaths registered in London during the week were 1501. It was the first week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1681. The deaths in the present return are less by 180 than the estimated amount.

The deaths from zymotic diseases were 320, the corrected average number being 358. Six deaths from small-pox, 24 from measles, 69 from scarlet fever, 8 from diphtheria, 62 from whooping-cough, 31 from typhus, 19 from enteric fever, 10 from simple continued fever, and 12 from diarrhœa were registered.

The deaths of 2 persons from intemperance, of 4 persons from delirium tremens, of 9 infants and one adult from syphilis, of 9 children and 2 adults from burns or scalds, of 2 children and 2 adults from drowning, of 8 infants from suffocation, of 2 persons who committed suicide, and of 5 persons who were killed by horses or vehicles in the streets were registered.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·984 in. The barometrical reading increased from 29·42 in. on Sunday, 3d January, 30·38 in. on Saturday, 9th January. The mean temperature of the air in the week was 45·7°, which is 9·7° above the average of the same week in 50 years (as determined by Mr. Glaisher). On Tuesday, 5th January, the mean temperature was 11·0°, on Friday, 8th January, 13·6°, and on Saturday, 9th January, 12·1° above the average. The highest day temperature was 53·8° on Tuesday, 5th January. The lowest night temperature was 37·3° on Wednesday, 6th January. The entire range of temperature in the week was, therefore, 16·5°. The mean of the highest temperatures of the water of the Thames was 41·2°; that of the lowest was 39·5°. The difference between the mean dew-point temperature and air temperature was 2·3°. The mean degree of humidity of the air was 92, complete saturation being represented by 100. Rain fell to the amount of 1·15 in. The general direction of the wind was S.W. According to a return furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness, was 307,855 cubic metres.

Scarlet Fever.

In London alone scarlet fever has destroyed 15 lives, of children chiefly, every day for the last 13 weeks, or 1,324 lives in the aggregate.

The Registrar General begs to call attention to a paper by Dr. William Budd, M.D. Ed., Consulting Physician to the Bristol Royal Infirmary, on scarlet fever and its prevention.

The following is a summary of the precautions recommended by Dr. Budd:

1. The room [in which the patient is detached] is dismantled of all needless woollen or other draperies which might possibly serve to harbour the poison.

1*. Thorough ventilation of the room to be maintained by an open fire and other means added.

2. A basin, charged with chloride or carbolate of lime or some other convenient disinfectant, is kept constantly on the bed for the patient to spit into.

3. A large vessel, containing water impregnated with chlorides or with Condy's fluid, always stands in the room for the reception of all bed and body linen immediately on its removal from the person of the patient.

4. Pocket-handkerchiefs are proscribed, and small pieces of rag are used instead for wiping the mouth and nose. Each piece, after being once used, is immediately burnt.

5. As the hands of nurses of necessity become frequently soiled by the specific excreta, a good supply of towels and two basins, one containing water with Condy's fluid or chlorides, and another plain soap and water, are always at hand for the immediate removal of the taint.

6. All glasses, cups, or other vessels used by or about the patient are scrupulously cleaned before being used by others.

7. The discharges from the bowel and kidney are received *on their very issue from the body* into vessels charged with disinfectants.

8. About the fourth day of the eruption the surface of the body, scalp included, to be anointed *twice a day* with olive oil slightly impregnated with camphor; the oiling to be continued until the patient is well enough to take a warm bath, in which the whole skin is well scrubbed, disinfecting soap being abundantly used. The baths to be repeated every other day until four have been taken.

9. Ten days after health is quite re-established the patient may, in new clothes, without risk, re-enter his family.

10. The children of the poor, who have no means of isolating their children, to be treated in small model hospitals or houses set apart by towns or parishes for the purpose.

11. The sewers to be kept in a state of permanent disinfection where the disease prevails. This is done in Bristol under the direction of the Health Officer. — See *British Medical Journal*, January 9th, 1869.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of December 1868: thus, according to their account, 92,001,154 gallons or 418,003 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 91·0 decalitres, rather less than a *ton* by weight, to each house, and 13·4 decalitres (= 29·4 gallons) to each person.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	November 1868.	December. 1868.	November 1868.	December 1868.
Total Supply . . .	458,747	459,234	95,500,188	92,001,154
From Thames	209,237	209,702	49,255,223	48,278,488
From Lea and from other Sources . .	249,510	249,532	46,244,965	43,722,666
Thames.				
Chelsea	27,083	27,083	8,252,200	7,952,100
West Middlesex	38,878	38,878	8,041,225	7,767,383
Southwark and Vauxhall . . .	71,985	72,225	14,177,632	13,900,862
Grand Junction	29,642	29,723	9,217,866	9,275,443
Lambeth	41,649	41,793	9,566,300	9,382,700
Lea and other Sources.				
New River	115,473	115,495	21,812,000	19,963,000
East London	96,748	96,748	17,612,900	17,321,000
Kent	37,289	37,289	6,820,065	6,438,666

Note.—The Return for December as compared with that for November shows an increase of 487 houses, and a decrease of 3,499,034 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the First Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total **Births**	1738	2008	1892	2173	2146	1916	2059	2252	2005	2318	2050·7	2409
Males . .	886	1003	1003	1104	1099	988	1043	1127	1031	1190	1047·4	1243
Females .	852	1005	889	1069	1047	928	1016	1125	974	1128	1003·3	1166
Total **Deaths**	1338	1281	1707	1367	1553	1798	1660	1520	1437	1624	1528·5	1501
Males . .	695	629	843	684	775	877	828	752	728	821	763·2	732
Females .	643	652	864	683	778	921	832	768	709	803	765·3	769

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 9th day of January 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 9th Jan.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 9th Jan.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4871**	**3244**	**3404**	**55·0**	**27·0**	**43·2**	**0·65**	**66**	**12·78**	**−2·78**	**6·22**	**165**
London (Metropolis)	3,170,754	40·7	2070	2409	1462	1501	53·8	37·3	45·7	1·15	116	12·12	2·95	7·61	292
Bristol (City)	169,423	36·1	109	133	76	71 *	54·0	34·2	45·0	2·25	227	12·22	1·22	7·22	572
Birmingham (Borough)	360,846	46·1	283	227	175	153	54·4	36·0	44·3	0·82	83	12·44	2·22	6·84	208
Liverpool (Borough)	509,052	99·7	345	393	295	288	53·0	34·6	45·9	0·27	27	11·67	1·45	7·72	69
Manchester (City)	370,892	82·7	277	277	210	252 *	53·5	30·0	41·6	0·38	38	11·95	−1·11	5·34	97
Salford (Borough)	119,350	23·1	89	102	60	67	53·5	29·0	42·0	0·39	39	11·95	−1·67	5·56	99
Sheffield (Borough)	239,752	10·5	196	213	126	105	54·0	31·0	43·2	0·48	48	12·22	−0·56	6·22	122
Bradford (Borough)	138,522	21·0	105	87	71	73	..	..	..	..	..	..	..	..	..
Leeds (Borough)	253,110	11·7	189	125	129	145	55·0	37·0	45·7	0·42	42	12·78	2·78	7·61	107
Hull (Borough)	126,682	35·6	83	105	59	58	52·0	28·0	38·9	0·39	39	11·11	−2·22	3·83	99
Newcastle-on-Tyne (Borough)	130,503	24·5	90	80	69	83	50·0	32·0	40·7	0·67	68	10·00	0·00	4·83	170
Edinburgh (City)	178,002	40·2	112	147	86	137	51·7	31·0	42·5	0·30	30	10·95	−0·56	5·84	76
Glasgow (City)	458,937	90·6	374	430	268	306	51·6	37·3	43·1	0·55	56	10·90	2·95	6·17	140
Dublin (City and some suburbs)	320,762	32·9	219	143	158	165	53·4	27·0	43·0	0·41	41	11·89	−2·78	6·11	104
				Week ending 2d Jan. 1869.		Week ending 2d Jan. 1869.	Week ending 2d January 1869.					Week ending 2d January 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	307	..	..	44·0	..	..	..	..	6·63	..
				Week ending 7th Jan. 1869.		Week ending 7th Jan. 1869.	Week ending 7th January 1869.					Week ending 7th January 1869.			
Berlin (City)	(1867) 702,437	..	..	632	..	443	..	..	39·2	..	..	..	..	4·00	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq.,Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, and that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1868 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLATINA, DIPHTHERIA, WHOOPING-COUGH, TYPHUS, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 9th January, 1868.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlatina.	Diphtheria.	Whooping-cough.	Typhus.	Diarrhœa.
LONDON -	2409	1501	6	24	69	8	62	60	12
WEST DISTRICTS -	394	249	1	3	14	4	6	13	3
NORTH DISTRICTS -	536	355	1	9	21	-	19	20	4
CENTRAL DISTRICTS	222	170	-	5	6	1	6	6	-
EAST DISTRICTS -	500	315	-	3	15	-	13	8	1
SOUTH DISTRICTS -	757	412	4	4	13	3	18	13	4
WEST DISTRICTS.									
St. Mary Paddington *WH*	40	22	-	-	1	-	1	2	2
St. John Paddington H	19	18	-	-	-	1	-	1	-
Kensington Town *W* -	71	38	-	1	3	1	1	3	-
Brompton H - -	23	20	-	-	3	-	1	3	-
St. Peter Hammersmith	2	3	-	-	-	-	-	-	-
St. Paul Hammersmith	20	1	-	-	-	-	-	-	-
Fulham *W* - - -	25	13	-	-	1	1	-	1	-
Chelsea South H - -	14	15	-	-	2	1	-	-	-
Chelsea North-west H*Ww*	15	15	1	-	1	-	1	-	-
Chelsea North-east -	29	13	-	-	-	-	-	-	-
Hanover Square - -	4	7	-	-	-	-	-	2	-
May Fair *W* - -	2	4	-	-	-	-	-	-	-
Belgrave H - - -	41	21	-	-	1	-	-	-	1
St. John Westminster -	36	17	-	1	1	-	1	-	-
St. Margaret West. *WH*	24	17	-	-	-	-	-	1	-
St. James's Square -	4	2	-	-	-	-	-	-	-
Golden Square *W* -	5	6	-	-	-	-	-	-	-
Berwick Street - -	8	8	-	1	1	-	-	-	-
St. Anne Soho - -	12	9	-	-	-	-	1	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	26	10	-	-	2	-	-	-	-
Cavendish Square - -	7	2	-	-	-	-	-	-	-
Rectory Marylebone *W*	29	17	-	-	-	-	1	1	-
St. Mary Marylebone -	35	6	-	1	-	-	-	-	-
Christchurch Marylebone	30	16	-	-	1	-	3	-	-
St. John Marylebone -	13	15	-	-	-	-	-	-	-
Hampstead *W* - -	10	13	-	-	1	-	-	-	-
Regent's Park Pancras -	23	24	-	-	2	-	3	-	2
Tottenham-court *w*H -	23	24	-	-	1	-	-	-	-
Gray's Inn Lane H -	22	19	-	-	3	-	-	2	-
Somers Town - -	27	15	-	-	2	-	1	-	-
Camden Town *W* -	25	17	-	-	1	-	1	-	-
Kentish Town - -	47	24	-	-	2	-	-	2	-
Islington West* *WHH*	74	68	1	5	2	-	5	14	1
Islington East *Ww* -	72	39	-	1	2	-	2	-	-
Stoke Newington - -	6	-	-	-	-	-	-	-	-
Stamford Hill - -	-	4	-	-	-	-	1	-	-
West Hackney - -	11	6	-	1	-	-	1	-	-
Hackney *WHw* - -	31	25	-	1	-	-	-	1	-
South Hackney L -	25	11	-	-	2	-	1	-	1
CENTRAL DISTRICTS.									
St. George Bloomsbury -	8	8	-	1	-	-	-	-	-
St. Giles South *W* -	11	10	-	-	-	-	-	1	-
St. Giles North - -	11	4	-	-	-	-	-	-	-
Long Acre - - -	4	5	-	-	-	-	-	1	-
Charing Cross *WH* -	1	6	-	-	-	-	-	-	-
St. Mary-le Strand -	2	6	-	-	-	-	-	-	-
St. Clement Danes H -	6	9	-	-	-	-	1	-	-
St. George-the-Martyr H	14	11	-	1	-	-	1	-	-
St. Andrew, East Holb. *W*	7	10	-	-	1	-	-	1	-
Saffron Hill - - -	9	3	-	-	-	-	-	-	-
St. James Clerkenwell *W*	15	5	-	-	1	-	-	-	-
Amwell Clerkenwell -	12	4	-	1	-	-	-	-	-
Pentonville - - -	12	4	-	-	-	-	-	-	-
Goswell street - -	6	4	-	-	-	-	-	-	-
Old-street - - -	13	13	-	-	-	-	1	-	-
City-road HL - -	29	12	-	-	-	-	1	-	-
Whitecross street - -	9	9	-	-	-	-	1	1	-
Finsbury - - -	8	3	-	-	-	-	1	-	-
St. Botolph East London	13	2	-	-	-	-	-	1	-
Cripplegate - - -	10	8	-	-	-	-	-	1	-
West London North *WH*	2	17	-	-	3	1	-	-	-
West London South -	4	6	-	1	-	-	-	-	-
London City South-west	2	3	-	-	1	-	-	-	-
London City North-west	3	2	-	-	-	-	-	-	-
London City South -	3	2	-	-	-	-	-	-	-
London City South-east	4	3	-	-	-	-	-	-	-
London City North-east	4	1	-	1	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlatina.	Diphtheria.	Whooping-cough.	Typhus.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	7	4	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	13	5	-	-	-	-	-	-	-
Hoxton New Town *w* -	23	13	-	-	1	-	1	1	-
Hoxton Old Town - -	23	13	-	-	2	-	2	-	-
Haggerstone West *W* -	22	10	-	-	-	-	-	-	1
Haggerstone East - -	17	7	-	-	-	-	-	-	-
Hackney-road - -	22	12	-	-	2	-	1	-	-
Green, Bthnl.Grn. *W*HL†	36	25	-	-	2	-	1	-	-
Church, Bethnal Green Town, Bethnal Green -	29	13	-	-	1	-	1	-	-
	9	13	-	-	1	-	2	1	-
Artillery Whitechapel -	5	2	-	-	-	-	-	-	-
Spitalfields - - -	11	11	-	-	-	-	-	1	-
Mile End New Town *W*	12	15	-	-	1	-	-	-	-
Whitechapel North -	5	5	-	-	-	-	1	-	-
Whitechapel Church H	5	14	-	-	-	-	-	-	-
Goodman's Fields - -	10	5	-	1	1	-	-	-	-
Aldgate - - - -	4	5	-	-	-	-	-	-	-
St. Mary St. Geo. East -	20	6	-	-	-	-	1	-	-
St. Paul St. Geo. East -	14	3	-	-	-	-	-	-	-
St. John St. Geo. East *W*	7	12	-	-	-	-	-	1	-
Shadwell *W* - - -	7	7	-	-	-	-	-	-	-
Ratcliff *W* - - -	13	6	-	-	-	-	-	1	-
Limehouse *W* - -	19	13	-	-	1	-	-	2	-
Mile End Old Town, West	39	21	-	1	2	-	3	-	-
Mile End Old T., East *Ww*	39	31	-	-	-	-	-	-	-
Bow *ww*L† - - -	57	25	-	-	1	-	-	1	-
Poplar *W* - - -	32	19	-	1	-	-	-	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	4	-	-	-	-	-	-	-
St. Saviour Southwark H	10	8	-	-	-	-	1	1	-
St. Olave Southwark H	2	14	-	-	-	-	-	-	-
St. John Horsleydown *W*	7	5	-	-	-	-	-	-	1
St. James Bermondsey -	32	18	-	-	-	-	2	1	-
St. Mary Magdalen *W*	21	8	-	-	-	-	1	-	-
Leather Market - -	12	8	-	-	1	-	-	1	-
Kent-road - - -	13	7	-	-	-	-	-	1	-
Borough-road *W* - -	16	11	-	-	-	-	-	2	-
London-road L - -	23	8	-	-	-	-	-	1	-
Trinity Newington -	13	12	-	1	1	-	2	-	-
St. Peter Walworth *W*	53	28	-	-	1	-	1	2	-
St. Mary Newington H -	13	12	-	-	-	-	-	-	1
Waterloo-road 1st - -	12	3	-	-	-	-	1	1	-
Waterloo-road 2nd -	25	9	-	-	1	-	-	-	-
Lambeth Church 1st -	18	9	-	-	1	-	-	-	-
Lambeth Church 2nd *W*	24	24	-	1	-	-	2	-	-
Kennington 1st - -	23	15	1	-	-	1	1	-	1
Kennington 2nd - -	20	9	-	-	-	-	-	-	-
Brixton - - - -	18	15	-	-	1	-	-	-	-
Norwood *W* - - -	8	4	-	-	-	-	-	-	-
Clapham - - -	20	12	-	-	1	-	1	-	-
Battersea *Ww* - -	50	18	1	-	-	1	-	-	-
Wandsworth L - -	9	2	-	1	-	-	-	-	-
Putney - - - -	4	3	-	-	-	-	-	-	-
Streatham - - -	8	3	-	-	-	-	-	-	-
Dulwich - - -	-	-	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	15	16	-	-	1	-	2	-	-
Peckham - - -	34	15	-	-	1	-	-	-	-
St. George Camberwell -	32	10	-	-	-	-	1	2	-
Rotherhithe *W* - -	19	10	1	1	-	-	-	-	-
St. Paul Deptford - -	42	27	1	-	1	-	1	1	-
St. Nicholas Deptford -	10	4	-	-	-	-	1	-	-
Greenwich West H -	16	12	-	-	-	1	-	-	-
Greenwich East *WH* -	12	12	-	-	-	-	-	-	-
Eltham - - - -	4	-	-	-	-	-	-	-	-
Lee - - - -	13	3	-	-	-	-	-	-	-
Lewisham Village *W* -	10	3	-	-	-	-	-	-	-
Sydenham - - -	10	8	-	-	2	-	-	-	-
Charlton H - - -	4	4	-	-	-	-	-	-	-
Woolwich Dockyard H	19	5	-	-	-	-	1	-	-
Woolwich Arsenal H -	17	6	-	-	-	-	-	-	-
Plumstead, West - -	16	6	-	-	-	-	-	-	-
Plumstead, East - -	21	2	-	-	1	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-dist. 2:2.
The Strand - - ,, ,, Tottenham-court sub-district. 9:2.
West London - - ,, ,, Islington East. 10:2.
East London - - ,, ,, Hackney sub district. 11:4.
St. Luke Middlesex ,, ,, Hoxton New Town sub-dist. 20:3.
London City - - ,, ,, { Mile End Old Town Eastern sub-dis. 24*b*:2; and Bow sub-dist. 25:1.
Stepney - - - ,, ,, Bow sub district. 25:1.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

Deaths in London, from All Causes, Registered in the First Week of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 8 1859	Jan. 7 1860	Jan. 5 1861	Jan. 4 1862	Jan. 3 1863	Jan. 9 1864	Jan. 7 1865	Jan. 6 1866	Jan. 5 1867	Jan. 4 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, January 9, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	35°·4	43°·5	32°·4	34°·1	43°·8	26°·7	36°·7	43°·2	25°·2	30°·1	35°·1	Mean Temp. 45°·7						
	ALL CAUSES	1338	1281	1707	1367	1553	1798	1660	1520	1437	1624	1528·5	1501	622	740	219	217	270	55
	SPECIFIED CAUSES	1316	1262	1688	1350	1536	1781	1644	1509	1424	1589	1509·9	1497	618	736	219	217	270	55
	(Classes.)																		
I.	ZYMOTIC DISEASES	317	257	331	337	389	356	343	334	295	300	325·9	320	192	239	41	21	18	1
II.	CONSTITUTIONAL „	237	225	283	246	307	327	270	257	254	256	266·2	258	65	92	98	47	16	5
III.	LOCAL „	585	576	824	570	608	850	803	694	658	772	694·0	713	255	289	68	137	200	19
IV.	DEVELOPMENTAL „	132	139	182	156	180	206	165	178	168	191	169·7	155	87	89	6	2	30	28
V.	VIOLENT DEATHS	45	65	68	41	52	42	63	46	49	70	54·1	51	19	27	6	10	6	2
	(Orders.)																		
I.	1. Miasmatic Diseases	295	240	310	314	368	321	317	308	266	272	301·1	283	164	211	37	17	18	..
	2. Enthetic „	3	2	5	7	7	15	7	10	10	7	7·3	12	9	9	..	2	..	1
	3. Dietic „	16	14	14	13	13	17	16	15	12	18	14·8	21	15	15	4	2	..	..
	4. Parasitic „	3	1	2	3	1	3	3	1	7	3	2·7	4	4	4	..	..	..	..
II.	1. Diathetic „	41	37	46	48	64	59	39	48	43	52	47·7	43	2	5	5	16	12	5
	2. Tubercular „	196	188	237	198	243	268	231	209	211	204	218·5	215	63	87	93	31	4	..
III.	1. Diseases of Nervous System	133	153	162	154	144	171	194	170	175	186	164·2	169	67	72	13	30	47	7
	2. „ of Organs of Circulation	62	61	76	60	74	77	79	76	70	94	72·9	70	..	11	16	18	25	..
	3. „ of Respiratory Organs	323	290	485	277	303	473	435	368	319	388	366·1	369	175	184	23	60	93	9
	4. „ of Digestive Organs	41	44	54	55	50	72	58	47	64	61	54·6	58	10	13	7	16	21	1
	5. „ of Urinary Organs	18	16	30	13	24	33	22	22	17	24	21·9	31	..	1	6	9	13	2
	6. „ of Organs of Generation	3	5	6	5	8	7	5	6	3	4	5·2	4	..	..	2	1	1	..
	7. „ of Organs of Locomotion	3	4	4	3	..	11	5	3	6	11	5·0	7	1	6	1	..	..	..
	8. „ of Integumentary System	2	3	7	3	5	6	5	2	4	4	4·1	5	2	2	..	3	..	..
IV.	1. Dev. Diseases of Children	34	40	38	42	49	40	49	44	45	45	42·6	38	38	38	..	..	..	..
	2. „ of Adults	4	6	9	6	6	10	3	6	5	3	5·8	7	..	..	6	1	..	..
	3. „ of Old People	36	46	81	51	73	96	64	58	58	75	63·8	45	..	..	..	..	17	28
	4. Diseases of Nutrition	58	47	54	57	52	60	49	70	60	68	57·5	65	49	51	..	1	13	..
V.	*1 Accident or Negligence	41	55	62	37	41	33	54	38	42	59	46·2	47	19	25	6	8	6	2
	3. Homicide	..	3	2	1	4	3	2	5	..	4	2·4	..	..	..	..	..	..	..
	4. Suicide	4	7	4	3	7	6	7	2	5	7	5·2	2	..	1	..	1	..	..
	5. Execution	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths not classed	..	..	..	..	..	..	..	1	2	..	·3	2	..	1	..	1	..	..
	Sudden Deaths, cause unascertained	12	3	5	5	10	1	6	..	2	1	4·5	1	1	1	..	..	..	..
	Causes not specified	10	16	14	12	7	16	10	11	11	34	14·1	3	3	3	..	..	..	..

* Order 2., comprising Violent Deaths in Battle, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 8 1859	Jan. 7 1860	Jan. 5 1861	Jan. 4 1862	Jan. 3 1863	Jan. 9 1864	Jan. 7 1865	Jan. 6 1866	Jan. 5 1867	Jan. 4 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, January 9, 1869. ALL AGES.	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	35°4	43°5	32°4	34°1	43°8	26°7	36°7	43°2	25°2	30°1	35°1	45°7						
I.	ORDER 1.																		
	1. Small-pox	15	32	8	2	35	10	19	15	43	22	20·1	6	4	6	..	..	..	..
	2. Measles	43	32	52	20	69	28	49	49	36	55	43·3	24	23	24	..	..	..	..
	3. Scarlet Fever (Scarlatina)	119	48	63	77	73	74	56	34	35	43	72·4	69	45	68	1	..	..	..
	4. Diphtheria		20	12	9	8	9	15	12	6	11		8	4	7	1	..	..	..
	5. Quinsy	3	..	1	..	2	2	1	1	2	..	1·2	2	..	..	1	1	..	..
	6. Croup	8	6	16	25	22	28	15	19	17	14	17·0	11	9	11	..	..	..	..
	7. Whooping-cough	45	33	90	73	57	48	54	57	54	52	56·3	62	60	62	..	..	..	..
	8. Typhus	31	32	27	58	58	75	66	84	44	40	51·5	31	3	5	12	10	4	..
	— Enteric Fever												19	2	7	5	5	2	..
	— Simple continued Fever												10	3	5	4	..	1	..
	9. Erysipelas	7	6	3	12	5	11	7	9	6	6	7·2	12	1	2	4	..	6	..
	10. Puerperal Fever (Metria)	5	2	5	3	10	4	2	4	1	1	3·7	7	..	1	6	..	..	..
	11. Carbuncle	..	..	..	..	1	1	2	2	..	..	·6	..	..	..	..	..	..	..
	12. Influenza	4	2	..	2	..	4	4	2	..	1	1·9	2	..	..	1	..	1	..
	13. Dysentery	3	5	2	6	2	4	2	3	2	1	3·0	3	1	2	1	..	..	..
	14. Diarrhœa	6	11	16	12	16	8	16	10	16	15	12·6	12	8	8	..	1	3	..
	15. Simple Cholera	..	1	1	1	..	1	..	1	..	2	·7	..	..	..	..	..	..	..
	16. Ague	..	1	2	..	..	..	1	..	..	..	·4	..	..	..	..	..	..	..
	17. Remittent Fever	1	2	2	3	1	..	..	..	..	2	1·1	..	..	..	..	..	..	..
	18. Rheumatism	5	7	10	11	9	14	8	6	4	6	8·0	4	..	2	1	..	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	1	·1	1	1	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	3	1	4	6	7	14	5	10	10	7	6·7	10	9	9	..	1	..	..
	2. Stricture of Urethra	..	1	1	1	..	1	2	..	..	..	·6	2	..	.	..	1	..	1
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	..	2	1	1	..	1	..	1	1	·8	..	..	..	..	..	..	..
	2. Want of Breast-milk	9	7	5	9	4	8	10	8	5	11	7·6	13	13	13	..	..	..	..
	3. Purpura and Scurvy	..	1	..	..	2	1	1	1	1	..	·7	2	2	2	..	..	..	..
	4. Alcoholism *a* Del. Tremens	4	2	4	1	3	7	1	3	3	..	2·8	4	..	..	3	1	..	..
	4. Alcoholism *b* Intemperance	2	4	3	2	3	1	3	3	2	6	2·9	2	..	..	1	1	..	..
	ORDER 4.																		
	1. Thrush	2	1	2	3	1	3	3	1	5	3	2·4	4	4	4	..	..	..	..
	2. Worms, &c.	1	..	..	..	..	..	..	..	2	..	·3	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	1	3	1	4	3	1	5	..	3	2·2	1	..	..	..	..	1	..
	2. Dropsy	18	14	17	21	19	19	11	17	19	12	16·7	11	2	4	1	3	1	2
	3. Cancer	19	20	22	24	35	31	22	21	21	32	24·7	23	..	..	4	13	5	1
	4. Cancrum Oris (Noma)	..	..	1	1	1	1	1	1	1	2	·9	1	..	1	..	..	..	..
	5. Mortification	3	2	3	1	5	5	4	4	2	3	3·2	7	..	..	..	..	5	2
	ORDER 2.																		
	1. Scrofula	10	10	8	14	8	15	8	3	6	6	8·8	7	3	4	2	..	1	..
	2. Tabes Mesenterica	11	15	13	12	25	15	18	18	13	17	15·7	13	13	13	..	..	..	..
	3. Phthisis	157	134	188	140	169	194	184	163	178	157	166·4	153	9	28	91	31	3	..
	4. Hydrocephalus	18	29	28	32	41	44	21	25	14	24	27·6	42	38	42	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	10	11	6	11	16	13	17	13	13	16	12·6	13	5	7	2	..	3	1
	2. Apoplexy	19	22	50	28	33	41	43	40	39	47	36·2	38	1	1	5	11	19	2
	3. Paralysis	18	27	28	42	27	30	36	26	30	32	29·6	25	1	1	1	10	10	3
	4. Insanity	2	..	2	2	2	2	4	3	3	3	2·3	5	..	..	1	2	1	1
	5. Chorea	..	..	1	..	..	..	..	1	..	..	·2	..	..	..	..	..	..	..
	6. Epilepsy	11	10	9	18	7	8	12	13	5	6	9·9	9	..	2	3	1	3	..
	7. Convulsions	55	60	49	39	44	63	61	55	66	61	55·3	59	58	58	..	..	1	..
	8. *Brain Disease, &c.*	18	23	17	14	15	14	21	19	19	21	18·1	20	2	3	1	6	10	..
	ORDER 2.																		
	1. Pericarditis	1	5	1	2	1	3	4	1	4	4	2·6	4	..	4	..	..	..	..
	2. Aneurism	1	1	3	2	1	2	1	2	4	6	2·3	2	..	..	..	..	2	..
	3. *Heart Disease, &c.*	60	55	72	56	72	72	74	73	62	84	68·0	64	..	7	16	18	23	..
	ORDER 3.																		
	1. Laryngitis	6	8	8	8	12	12	5	10	10	5	8·4	9	7	8	1	..	..	..
	2. Bronchitis	182	159	273	158	188	326	275	219	178	232	219·0	213	78	81	7	38	80	7
	3. Pleurisy	1	3	2	4	3	4	5	5	2	3	3·2	..	..	..	..	..	..	..
	4. Pneumonia	108	98	143	67	71	91	95	104	97	104	97·8	112	82	86	11	11	4	..
	5. Asthma	21	16	53	21	15	22	26	15	15	20	22·4	13	..	..	..	5	7	1
	6. *Lung Disease, &c.*	5	6	6	19	14	18	29	15	17	24	15·3	22	8	9	4	6	2	1
	ORDER 4.																		
	1. Gastritis	..	4	3	1	1	2	1	1	2	..	1·5	..	..	..	..	..	..	..
	2. Enteritis	4	4	3	2	8	7	3	3	6	6	4·6	5	3	4	1	..	..	..
	3. Peritonitis	2	1	5	4	3	6	9	2	3	2	3·7	5	1	3	2	..	..	..
	4. Ascites	2	2	4	5	2	6	4	..	3	1	2·9	1	..	..	1	..	..	..
	5. Ulceration of Intestines	3	1	5	..	4	3	2	3	2	5	2·8	4	..	..	1	1	2	..
	6. Hernia	2	1	6	7	1	6	5	1	4	6	3·9	2	..	..	..	..	1	1
	7. Ileus	4	3	5	4	5	2	4	5	6	3	4·1	3	..	..	..	..	3	..
	8. Intussusception	..	..	1	..	..	2	..	..	3	..	·6	1	..	..	..	1	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism;" of "hæmorrhage" and "abscess"

the First Week of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 8 1859	Jan. 7 1860	Jan. 5 1861	Jan. 4 1862	Jan. 3 1863	Jan. 9 1864	Jan. 7 1865	Jan. 6 1866	Jan. 5 1867	Jan. 4 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, January 9, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	35°·4	43°·5	32°·4	34°·1	43°·8	26°·7	36°·7	43°·2	25°·2	30°·1	35°	Mean Temp. 45°·7						
	9. Stricture of Intestines	1	1	..	1	2	..	..	1	..	2	·8	..	..	..	..	..	..	..
	10. Fistula	1	1	1	1	..	..	1	..	..	..	·5	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	4	5	3	7	2	11	6	6	4	7	5·5	10	3	3	..	..	7	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	2	3	2	5	3	2	5	2	6	6	3·6	5	..	..	..	3	2	..
	14. Jaundice	2	..	2	2	2	3	2	6	2	7	2·8	3	3	3	..	..	..	..
	15. *Liver Disease, &c.*	14	18	13	16	16	22	16	17	22	16	17·0	19	..	..	2	11	6	..
	16. *Spleen Disease, &c.*	..	..	1	..	1	..	..	..	1	..	·3	..	..	..	..	..	..	..
	Order 5.																		
	1. Nephritis	1	1	3	..	2	..	..	1	2	2	1·2	2	..	..	1	..	..	1
	2. Ischuria	..	1	1	..	..	..	..	1	..	..	·3	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	10	8	13	5	10	12	12	4	6	6	8·6	10	..	..	2	3	5	..
	4. Diabetes	2	..	1	..	2	2	3	1	3	1	1·5	2	..	..	1	..	1	..
	5. Calculus (Stone)	1	..	1	2	..	1	..	1	..	..	·6	3	..	..	..	2	1	..
	6. Cystitis	..	1	3	..	1	2	..	..	1	5	1·3	2	..	..	..	..	1	1
	7. *Kidney Disease, &c.*	4	5	8	6	9	16	7	14	5	10	8·4	12	..	1	2	4	5	..
	Order 6.																		
	1 Ovarian Dropsy	..	1	2	1	2	3	..	..	..	..	·9	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	3	4	4	4	6	4	5	6	3	4	4·3	4	..	..	2	1	1	..
	Order 7.																		
	1. Synovitis (Arthritis)	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	2	4	4	3	..	11	5	3	6	11	4·9	7	1	6	1	..	..	..
	Order 8.																		
	1. Phlegmon	..	1	5	2	4	1	4	1	2	3	2·3	1	..	..	..	1	..	..
	2. Ulcer	1	1	..	..	..	3	1	1	2	..	·9	2	1	1	..	1	..	..
	3. *Skin Disease, &c.*	1	1	2	1	1	2	..	..	..	1	·9	2	1	1	..	1	..	..
IV.	Order 1.																		
	1. Premature Birth	11	24	17	16	25	28	23	22	20	20	20·6	17	17	17	..	..	..	..
	2. Cyanosis	4	1	3	3	2	..	4	1	6	4	2·8	5	5	5	..	..	..	..
	3. Spina Bifida	..	..	1	3	2	..	..	1	4	..	1·1	2	2	2	..	..	..	..
	4. Other Malformations	..	2	1	2	1	1	1	4	1	3	1·6	3	3	3	..	..	..	..
	5. Teething	19	13	16	18	19	11	21	16	14	18	16·5	11	11	11	..	..	..	..
	Order 2.																		
	1. Paramenia	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Metria)	4	6	9	6	6	10	2	6	5	3	5·7	7	..	..	6	1	..	..
	Order 3.																		
	1. Old Age	36	46	81	51	73	96	64	58	58	75	63·8	45	..	..	..	..	17	28
	Order 4.																		
	1. Atrophy and Debility	58	47	54	57	52	60	49	70	60	68	57·5	65	49	51	..	1	13	..
V.	Order 1. (Accident or Negligence.)																		
	1. Fractures and Contusions	5	18	15	7	14	12	21	15	14	28	14·9	21	1	5	4	5	5	2
	2. Wounds	..	1	1	..	1	..	2	..	1	..	·6	..	..	..	..	..	..	..
	3. Burns and Scalds	10	20	20	16	8	7	9	6	6	8	11·0	11	9	9	1	..	1	..
	4. Poison	1	1	2	..	1	1	1	..	..	..	·7	..	..	..	..	..	..	..
	5. Drowning	5	6	3	5	5	3	4	7	2	4	4·4	4	..	2	..	2	..	..
	6. Suffocation	18	9	15	8	11	9	13	9	19	14	12·5	8	8	8	..	..	..	..
	7. Otherwise	2	..	6	1	1	1	4	1	..	5	2·1	3	1	1	1	1	..	..
	Order 3. (Homicide.)																		
	1. Murder and Manslaughter	..	3	2	1	4	3	2	5	..	4	2·4	..	..	..	..	..	..	..
	Order 4. (Suicide.)																		
	1. Wounds { Gunshot	..	1	1	..	..	..	..	1	..	..	·3	1	..	..	..	1	..	..
	1. Wounds { Cut, Stab	2	2	1	1	5	..	2	1	..	1	1·5	..	..	..	..	..	..	..
	2. Poison	..	1	1	1	1	1	2	..	1	2	1·0	..	..	..	..	..	..	..
	3. Drowning	..	2	..	..	..	2	..	..	1	1	·6	..	..	..	..	..	..	..
	4. Hanging	2	1	1	1	..	2	3	..	2	..	1·2	1	..	1	..	..	..	..
	5. Otherwise	..	..	..	..	1	1	..	..	1	3	·6	..	..	..	..	..	..	..
	Order 5. (Execution.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	1	2	..	·3	2	..	1	..	1	..	..
	Sudden Deaths (Cause unascertained)	12	3	5	5	10	1	6	..	2	1	4·5	1	1	1	..	..	..	..
	Causes not specified or ill-defined	10	16	14	12	7	16	10	11	11	34	14·1	3	3	3	..	..	..	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class 1.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 9th January, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
January.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday	3	..	29·496	51·9	39·2	12·7	46·0	44·2	52·5	34·2	38·4	36·4	1·8	5·1	0·0	+ 9·3	93	SSW.	SW.	30·+	0·0	3·1	596	0·44	2
Monday	4	In Equator	29·845	47·8	38·8	9·0	43·2	38·6	72·3	34·2	39·4	37·4	4·6	7·3	2·9	+ 6·8	84	SW.	SW.	5·2	0·0	0·4	375	0·00	2
Tuesday	5	Last Quarter	29·573	53·8	39·5	14·3	47·2	45·7	54·5	36·3	40·4	38·4	1·5	5·2	0·0	+11·0	95	SSW.	SW. & WSW.	30·0	0·0	3·7	623	0·23	5
Wednesday	6	..	30·133	48·2	37·3	10·9	42·7	39·4	69·4	30·8	40·9	39·9	3·3	8·2	0·0	+ 6·7	88	SW.	SW. & SSE.	0·7	0·0	0·0	198	0·12	0
Thursday	7	..	30·195	50·5	41·9	8·6	43·9	43·6	50·5	41·9	42·4	40·4	0·3	0·8	0·0	+ 8·1	99	SW. & NE.	Calm & SW.	3·6	0·0	0·2	153	0·36	1
Friday	8	..	30·285	52·2	46·2	6·0	49·3	47·7	74·1	37·5	42·9	41·4	1·6	2·8	0·6	+13·6	94	SW.	WSW. & SW.	1·1	0·0	0·1	274	0·00	1
Saturday	9	..	30·358	50·0	46·8	3·2	47·9	45·1	54·0	42·1	43·9	42·4	2·8	4·6	1·0	+12·1	90	Calm & SW.	Calm & S.	0·0	0·0	0·0	114	0·00	1
Means		..	29·984	50·6	41·4	9·2	45·7	43·5	61·0	36·7	41·2	39·5	2·3	4·9	0·6	+ 9·7	92	SW.		..	..	..	Sum 2333	Sum 1·15	1·7
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. January.		Electricity.	Sky and Atmosphere.
Sunday	3	No electricity was shown.	Overcast till the afternoon, and rain fell heavily; afterwards cloudless. A gale of wind.
Monday	4	The insulating lamp was not burning.	A very fine day; cloudless generally, except in the afternoon, when light clouds prevailed.
Tuesday	5		Overcast throughout the morning, and rain fell heavily; variable in the afternoon, and a heavy shower of rain fell near 4h. P.M.; cloudless at night.
Wednesday	6		Very fine till evening, with prevalent light cloud; overcast at night, and rain fell after 9h. P.M.
Thursday	7		Overcast. Rain fell heavily during the early morning hours, and fog was generally prevalent at all times.
Friday	8		Generally cloudy.
Saturday	9	No electricity was shown.	Overcast. Slight fog prevailed during the morning. Very small range of temperature.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·74 in. at the beginning of the week to 29·42 in. by noon on the 3d; increased to 29·90 in. by 9h. P.M. on the 4th; decreased to 29·46 in. by 3h. P.M. on the 5th; increased to 30·38 in. by 9h. A.M. on the 9th; and was 30·34 in. at the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 2. 1869. Vol. XXX.] Week ending Saturday, January 16. [Price 1*d.*

General Register Office, Somerset House,
18th January 1869.

In the week that ended on Saturday, 16th January, 4582 births, and 3261 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 26 per 1000 persons living.

The annual rate of mortality last week was 25 per 1000 in London, 27 in Edinburgh, and 24 in Dublin; 22 in Bristol, 20 in Birmingham, 30 in Liverpool, 26 in Manchester, 33 in Salford, 25 in Sheffield, 24 in Bradford, 31 in Leeds, 25 in Hull, 28 in Newcastle-upon-Tyne, and 27 in Glasgow. The rate in Vienna was 28 per 1000 during the week ending the 9th inst.

In London the births of 1179 boys and 1091 girls, in all 2270 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2192.

The deaths registered in London during the week were 1490. It was the second week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1830. The deaths in the present return are less by 340 than the estimated amount, and are less by 11 than the number recorded in the preceding week.

The deaths from zymotic diseases were 280, the corrected average number being 365. Three deaths from small-pox, 20 from measles, 64 from scarlet fever, 8 from diphtheria, 51 from whooping-cough, 24 from typhus fever, 27 from enteric fever, 8 from simple continued fever, and 12 from diarrhœa were registered.

One hundred and fifty-eight deaths occurred from phthisis, 197 from bronchitis, and 100 from pneumonia. The corrected average number of deaths from phthisis is 193, from bronchitis 307, and from pneumonia 117.

Diseases of the brain and nervous system proved fatal to 172 persons, and 99 persons died from diseases of the organs of circulation.

The deaths of 2 persons from alcoholism, of 6 infants and 2 adults from syphilis, of 3 children from burns or scalds, of 3 persons from drowning, of 10 infants from suffocation, of 7 persons who committed suicide, and of 2 persons who were killed by horses or carriages in the streets were recorded.

The deaths of 600 children under 5 years of age were registered; of these 19 died from measles, 44 from scarlet fever, 7 from diphtheria, 18 from croup, 46 from whooping-cough, 9 from enteric fever, 2 from simple continued fever, 3 from erysipelas, 8 from diarrhœa, 4 from want of breast milk, 4 from thrush, 17 from tabes mesenterica, 12 from phthisis, 30 from hydrocephalus, 14 from cephalitis, 70 from convulsions, 78 from bronchitis, 58 from pneumonia, 15 from premature birth, 15 from teething, and 50 from atrophy and debility.

A mariner died in the City of London Union Workhouse, Bromley, on 11th January, at the age (as stated) of 102 years.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·894 in. The barometrical reading decreased from 30·34 in. at the beginning of the week to 29·47 in. on Friday, 15th January. The mean temperature of the air in the week was 40·4°, which is 4·2° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 50·9° on Friday, 15th January. The lowest night temperature was 33·1° on Thursday, 14th January. The entire range of temperature in the week was, therefore, 17·8°. The mean of the highest temperatures of the water of the Thames was 43·8°; that of the lowest was 42·1°. The difference between the mean dew-point temperature and air temperature was 1·6°. The mean degree of humidity of the air was 94, complete saturation being represented by 100. Rain fell to the amount of 0·23 in. The general direction of the wind was S.E. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at

Crossness, was 235,624 cubic metres, and at Barking 141,036 cubic metres, equivalent to about as many tons by weight. During the week which ended 9th January the daily average quantity of sewage discharged into the Thames at Barking was 163,390 cubic metres.

The different Forms of Fever in England.

A Committee appointed by The Royal College of Physicians of London have prepared a Nomenclature of Diseases suitable to England, and to all countries where the English language is in common use.

This nomenclature recognises the following forms of common fever : (1) typhus fever, (2) enteric fever, (3) relapsing fever, and (4) simple continued fever. Neither cerebro-spinal fever nor plague need be referred to, as they do not prevail here ; nor febricula as it is never fatal.

Simple continued fever is defined, "A continued fever having no specific character." It is usually but an undeveloped form of enteric fever or typhus fever.

The two essential forms of fever are thus defined by the Committee :

Typhus fever.—A continued fever, characterised by great prostration, and a *general dusky mottled rash*, without specific lesion of the bowels.

Enteric fever.—Synonym, typhoid fever (or typhia). A continued fever, characterised by the presence of *rose-coloured spots*, chiefly on the abdomen, and a tendency to diarrhœa, with specific lesion of the bowels. Enteric fever occurring in the child is often named infantile remittent fever.

Medical practitioners are requested to use these names, to enable the Registrar General to distinguish the several forms of fever with precision in the returns.

LONDON.—Births and Deaths Registered last Week, and in the Second Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total **Births**	1830	1938	1865	1881	1954	2019	2002	1928	2382	2132	1993·1	2270
Males . .	933	985	959	918	1024	1026	1035	967	1229	1053	1012·9	1179
Females .	897	953	906	963	930	993	967	961	1153	1079	980·2	1091
Total **Deaths**	1429	1344	1707	1561	1535	2427	1669	1506	1891	1574	1664·3	1490
Males . .	725	672	846	780	785	1124	856	756	911	816	827·1	741
Females .	704	672	861	781	750	1303	813	750	980	758	837·2	749

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Oct. 24.	Oct. 31.	Nov. 7.	Nov. 14.	Nov. 21.	Nov. 28.	Dec. 5.	Dec. 12.	Dec. 19.	Dec. 26.	Jan. 2.	Jan. 9.	Jan. 16.
Deaths	1421	1521	1387	1506	1507	1561	1672	1486	1558	1262	1629	1501	1490
Deaths under 20 years of age	734	735	691	768	740	746	816	743	763	599	770	740	716
Deaths 20—40 - - -	209	221	222	214	187	234	215	205	261	201	221	219	210
Deaths 40—60 - - -	226	247	203	252	266	231	268	211	228	216	296	217	243
Deaths at 60 years of age and upwards - - -	252	318	271	272	314	350	373	327	306	246	342	325	321
Deaths from Small-pox - -	4	6	1	8	3	3	8	..	5	6	7	6	3
„ „ Measles - -	19	21	32	38	12	39	31	34	33	17	35	24	20
„ „ Scarlet Fever -	105	109	119	116	118	99	107	108	100	67	83	69	64
„ „ Diphtheria -	10	11	8	8	15	13	9	15	17	8	10	8	8
„ „ Whooping-cough	21	34	28	27	31	30	46	43	30	33	49	62	51
„ „ Fever - -	67	50	54	58	55	59	59	62	61	54	56	60	59
„ „ Diarrhœa - -	30	20	19	14	9	12	11	7	11	10	9	12	12
„ „ Phthisis - -	192	191	176	165	166	192	187	125	166	136	188	153	158
„ „ Bronchitis - -	120	188	163	166	223	217	270	194	190	147	196	213	197
„ „ Pneumonia -	77	87	88	109	112	110	121	122	117	82	98	112	100
„ „ Heart Disease -	71	65	54	77	83	64	89	67	75	61	85	64	92
Mean Temperature of the Air	42·6°	46·8°	43·9°	40·7°	39·8°	42·5°	45·6°	47·6°	47·5°	44·2°	41·0°	45·7°	40·4°
Mean Temperature of the Water of the Thames -	48·6	46·6	46·4	42·9	41·6	42·6	42·8	45·3	45·6	43·8	40·5	40·3	42·9
Humidity of the Air - -	90	87	83	85	84	92	91	87	90	89	89	92	94
Rain-fall in inches - -	0·49	1·06	0·18	0·06	0·04	0·88	0·31	1·30	0·92	1·57	1·53	1·15	0·23

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 16th day of January 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851–60.	Births. Registered during the Week ending 16th Jan.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 16th Jan.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4582**	**3244**	**3261**	**56·8**	**32·0**	**41·7**	**0·41**	**41**	**13·78**	**0·00**	**5·39**	**104**
London (Metropolis)	3,170,754	40·7	2070	2270	1462	1490	50·9	33·1	40·4	0·23	23	10·50	0·62	4·66	58
Bristol (City)	169,423	36·1	109	120	76	73 *	50·3	37·7	43·5	0·31	31	10·17	3·17	6·39	79
Birmingham (Borough)	360,846	46·1	283	248	175	140	51·5	35·6	41·5	0·37	37	10·84	2·01	5·28	94
Liverpool (Borough)	509,052	99·7	345	355	295	292	50·6	37·0	41·6	0·38	38	10·34	2·78	5·34	97
Manchester (City)	370,892	82·7	277	269	210	185 *	..	..	..	..	..	..	..	..	..
Salford (Borough)	119,350	23·1	89	80	60	75	49·5	36·0	41·7	0·42	42	9·72	2·22	5·39	107
Sheffield (Borough)	239,752	10·5	196	204	126	114	55·0	34·0	41·2	0·51	52	12·78	1·11	5·11	130
Bradford (Borough)	138,522	21·0	105	68	71	63	..	..	..	..	..	..	..	..	..
Leeds (Borough)	253,110	11·7	189	149	129	151	52·0	37·0	42·4	0·16	16	11·11	2·78	5·78	41
Hull (Borough)	126,682	35·6	83	85	59	61	47·0	33·0	38·9	0·38	38	8·33	0·56	3·83	97
Newcastle-on-Tyne (Borough)	130,503	24·5	90	111	69	71	48·0	32·0	39·1	0·09	9	8·89	0·00	3·95	23
Edinburgh (City)	178,002	40·2	112	132	86	92	48·7	33·0	41·0	0·10	10	9·28	0·56	5·00	25
Glasgow (City)	458,937	90·6	374	346	268	306	48·6	36·3	42·4	0·88	89	9·23	2·38	5·78	224
Dublin (City and some suburbs)	320,762	32·9	219	145	158	148	56·8	39·6	46·9	1·07	108	13·78	4·23	8·28	272
				Week ending 9th Jan. 1869.		Week ending 9th Jan. 1869.	Week ending 9th January 1869.					Week ending 9th January 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	303	..	..	39·2	..	..	..	..	4·00	..
				Week ending 14th Jan. 1869.		Week ending 14th Jan. 1869.	Week ending 14th January 1869.					Week ending 14th January 1869.			
Berlin (City)	(1867) 702,437	..	..	..	..	..	..	..	..	..	..	..	..	..	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLATINA, DIPHTHERIA, WHOOPING-COUGH, TYPHUS, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 16th January, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases.						
			Small-pox.	Measles.	Scarlatina.	Diphtheria.	Whooping-cough.	Typhus.	Diarrhœa.
LONDON -	2270	1490	3	20	64	8	51	59	12
WEST DISTRICTS -	363	236	1	1	14	1	5	6	1
NORTH DISTRICTS -	491	338	-	8	12	2	10	19	2
CENTRAL DISTRICTS	247	171	-	-	6	1	5	7	1
EAST DISTRICTS -	490	305	-	3	17	3	11	17	3
SOUTH DISTRICTS -	679	440	2	8	15	1	20	10	5
WEST DISTRICTS.									
St. Mary Paddington *WH*	40	25	-	-	3	-	-	2	1
St. John Paddington H	15	13	-	-	-	1	-	-	-
Kensington Town *W* -	50	25	-	-	-	-	-	-	-
Brompton H - -	15	11	-	-	-	-	-	-	-
St. Peter Hammersmith	7	-	-	-	-	-	-	-	-
St. Paul Hammersmith	18	11	-	-	1	-	-	-	-
Fulham *W* - - -	16	13	-	-	2	-	1	-	-
Chelsea South H - -	16	11	1	-	1	-	-	-	-
Chelsea North-west H*Ww*	21	5	-	-	1	-	-	-	-
Chelsea North-east -	17	8	-	-	-	-	-	-	-
Hanover Square - -	8	6	-	-	1	-	-	-	-
May Fair *W* - -	7	8	-	-	1	-	-	-	-
Belgrave H - - -	48	34	-	-	-	-	1	1	-
St. John Westminster -	40	24	-	1	2	-	2	-	-
St. Margaret West. *WH*	12	20	-	-	1	-	-	-	-
St. James's Square -	3	3	-	-	-	-	-	1	-
Golden Square *W* -	3	6	-	-	-	-	-	-	-
Berwick Street - -	10	4	-	-	-	-	-	1	-
St. Anne Soho - -	17	9	-	-	1	-	1	1	-
NORTH DISTRICTS.									
All Souls Marylebone H	22	16	-	-	1	-	1	-	-
Cavendish Square - -	6	7	-	-	-	-	-	-	-
Rectory Marylebone *W*	21	20	-	-	-	-	1	-	-
St. Mary Marylebone -	22	14	-	-	-	-	-	-	-
Christchurch Marylebone	24	20	-	-	-	-	-	-	-
St. John Marylebone -	22	14	-	-	1	-	-	-	-
Hampstead *W* - -	8	13	-	-	2	-	-	-	-
Regent's Park Pancras -	20	12	-	-	-	-	2	2	-
Tottenham-court *w*H -	20	10	-	-	-	-	-	-	-
Gray's Inn Lane H -	19	12	-	-	-	-	-	-	-
Somers Town - -	30	9	-	-	-	-	-	-	-
Camden Town *W* -	11	20	-	-	-	-	1	-	1
Kentish Town - -	43	27	-	1	1	1	1	2	-
Islington West* *WHH*	71	43	-	1	2	1	1	12	1
Islington East *Ww* -	80	52	-	4	-	-	3	-	-
Stoke Newington - -	4	4	-	1	-	-	-	-	-
Stamford Hill - -	2	2	-	-	-	-	-	-	-
West Hackney - -	18	14	-	-	1	-	-	-	-
Hackney *WHw* - -	31	21	-	1	2	-	-	3	-
South Hackney L -	17	8	-	-	2	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	9	6	-	-	-	-	-	-	-
St. Giles South *W* -	37	13	-	-	2	-	-	-	-
St. Giles North - -	10	4	-	-	-	1	-	-	-
Long Acre - - -	10	10	-	-	-	-	-	-	-
Charing Cross *WH* -	5	8	-	-	-	-	-	-	-
St. Mary le Strand -	4	3	-	-	-	-	-	-	-
St. Clement Danes H -	4	6	-	-	1	-	1	-	-
St. George-the-Martyr H	10	21	-	-	-	-	2	2	-
St. Andrew, East Holb. *W*	6	14	-	-	-	-	-	-	-
Saffron Hill - - -	6	4	-	-	-	-	-	-	-
St. James Clerkenwell *W*	11	11	-	-	1	-	-	1	-
Amwell Clerkenwell -	13	6	-	-	-	-	-	1	-
Pentonville - - -	14	1	-	-	-	-	-	-	-
Goswell street - -	8	5	-	-	1	-	-	-	-
Old-street - - -	12	3	-	-	-	-	1	-	-
City road HL - -	25	6	-	-	-	-	1	-	-
Whitecross street - -	12	6	-	-	-	-	-	-	-
Finsbury - - -	11	6	-	-	-	-	-	1	-
St. Botolph East London	11	4	-	-	-	-	-	1	-
Cripplegate - - -	5	4	-	-	-	-	-	-	-
West London North *WH*	9	15	-	-	-	-	-	-	-
West London South -	5	2	-	-	-	-	-	-	-
London City South-west	2	3	-	-	-	-	-	-	-
London City North-west	2	1	-	-	-	-	-	-	-
London City South -	1	3	-	-	1	-	-	-	-
London City South-east	2	1	-	-	-	-	-	1	-
London City North-east	3	5	-	-	-	-	-	-	1

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases.						
			Small-pox.	Measles.	Scarlatina.	Diphtheria.	Whooping-cough.	Typhus.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	5	7	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	21	4	-	-	-	-	-	-	1
Hoxton New Town *w* -	17	20	-	-	-	-	1	-	-
Hoxton Old Town - -	21	14	-	-	1	-	-	1	1
Haggerstone West *W* -	14	16	-	-	-	2	-	-	-
Haggerstone East - -	17	10	-	-	1	-	-	-	-
Hackney-road - -	24	13	-	-	-	1	1	-	-
Green, Bthnl.Grn. *WHL*†	50	14	-	-	1	-	1	1	-
Church, Bethnal Green	18	14	-	1	1	-	2	1	-
Town, Bethnal Green -	19	8	-	-	2	-	1	-	-
Artillery Whitechapel -	3	4	-	-	-	-	-	-	-
Spitalfields - - -	17	10	-	-	2	-	-	-	-
Mile End New Town *W*	4	12	-	-	-	-	-	5	-
Whitechapel North -	9	2	-	-	-	-	-	-	-
Whitechapel Church H	5	13	-	-	-	-	-	-	-
Gordman's Fields - -	4	3	-	-	-	-	-	-	-
Aldgate - - - -	5	2	-	-	-	-	-	-	-
St. Mary St. Geo. East -	11	6	-	-	-	-	-	-	-
St. Paul St. Geo. East -	15	9	-	-	-	-	-	-	-
St. John St. Geo. East *W*	10	10	-	1	-	-	-	2	-
Shadwell *W* - - -	9	5	-	-	1	-	-	-	-
Ratcliff *W* - - -	11	7	-	-	2	-	-	2	-
Limehouse *W* - -	30	11	-	-	3	-	-	1	-
Mile End Old Town, West	24	7	-	1	1	-	-	-	-
Mile End Old T., East *Ww*	43	19	-	-	-	-	-	2	1
Bow *ww*L† - - -	50	47	-	-	2	-	2	2	-
Poplar *W* - - -	34	18	-	-	-	-	2	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	6	-	-	1	-	-	-	-
St. Saviour Southwark H	9	14	-	1	-	-	1	-	-
St. Olave Southwark H	4	14	-	-	-	-	-	-	-
St. John Horsleydown *W*	5	5	-	-	-	-	1	-	-
St. James Bermondsey -	43	12	-	-	-	-	1	-	-
St. Mary Magdalen *W*	11	11	-	-	2	-	-	-	-
Leather Market - -	18	6	-	-	2	-	-	-	-
Kent-road - - -	20	9	1	-	-	-	1	-	-
Borough-road *W* - -	14	10	-	-	-	1	-	-	-
London-road L - -	9	7	-	-	-	-	-	-	-
Trinity Newington -	15	7	-	-	1	-	-	2	-
St. Peter Walworth *W*	28	22	-	-	1	-	1	1	-
St. Mary Newington H -	9	10	-	-	-	-	1	-	-
Waterloo-road 1st - -	10	5	-	1	-	-	-	-	-
Waterloo-road 2nd -	12	14	-	-	1	-	3	-	-
Lambeth Church 1st -	13	7	-	1	-	-	-	-	-
Lambeth Church 2nd *W*	33	25	-	-	-	-	-	-	-
Kennington 1st - -	19	22	-	-	-	-	3	-	-
Kennington 2nd - -	14	8	-	-	-	-	-	-	-
Brixton - - - -	27	14	-	1	1	-	1	-	-
Norwood *W* - - -	7	4	-	-	-	-	-	-	-
Clapham - - -	12	11	-	-	1	-	-	-	-
Battersea *Ww* - -	40	23	-	1	-	-	2	1	-
Wandsworth L - -	8	10	-	-	-	-	-	-	-
Putney - - - -	8	6	-	2	-	-	-	-	-
Streatham - - -	5	4	-	-	-	-	-	1	-
Dulwich - - -	-	-	-	-	-	-	-	-	-
Camberwell *WL*†L† -	26	13	-	-	-	-	-	1	-
Peckham - - -	15	17	-	-	-	-	-	-	-
St. George Camberwell -	31	9	-	-	1	-	1	1	-
Rotherhithe *W* - -	28	10	-	-	1	-	-	-	-
St. Paul Deptford - -	43	22	-	-	1	-	2	2	-
St. Nicholas Deptford -	4	7	-	-	-	-	-	-	-
Greenwich West H -	18	10	1	-	-	-	1	-	-
Greenwich East *WH* -	24	17	-	-	-	-	-	1	-
Eltham - - - -	2	-	-	-	-	-	-	-	-
Lee - - - -	6	2	-	-	-	-	-	-	-
Lewisham Village *W* -	12	6	-	-	-	-	-	-	-
Sydenham - - -	19	8	-	-	-	-	-	1	-
Charlton H - - -	5	5	-	-	-	-	-	-	-
Woolwich Dockyard H	11	7	-	-	-	-	-	-	-
Woolwich Arsenal H -	17	11	-	1	-	-	-	-	-
Plumstead, West - -	5	3	-	-	-	-	-	-	-
Plumstead, East - -	11	7	-	-	2	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh.	is in	Chelsea North west sub-dist.	2 : 2.
The Strand - -	,,	,, Tottenham-court sub-district.	9 : 2.
West London - -	,,	,, Islington East.	10 : 2.
East London - -	,,	,, Hackney sub district.	11 : 4.
St. Luke Middlesex	,,	,, Hoxton New Town sub dist.	20 : 3.
London City - -	,,	,, Mile End Old Town Eastern sub-dist. 24 : 2; and Bow sub-dist.	25 : 1.
Stepney - - -	,,	,, Bow sub district.	25 : 1.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the SECOND WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 15 1859	Jan. 14 1860	Jan. 12 1861	Jan. 11 1862	Jan. 10 1863	Jan. 16 1864	Jan. 14 1865	Jan. 13 1866	Jan. 12 1867	Jan. 11 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, January 16, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	39°·1	37°·9	26°·4	42°·9	40°·1	36°·8	42°·8	36°·9	39°·3	30°·6	37°·3	Mean Temp. 40°·4						
	ALL CAUSES	1429	1344	1707	1561	1535	2427	1669	1506	1891	1574	1664·3	1490	600	716	210	243	267	54
	SPECIFIED CAUSES	1413	1317	1700	1545	1524	2417	1658	1467	1875	1570	1648·6	1486	597	713	210	243	266	54
	(CLASSES.)																		
I.	ZYMOTIC DISEASES	348	267	286	334	388	399	359	334	332	273	332·0	280	173	215	31	21	13	..
II.	CONSTITUTIONAL „	233	228	276	274	274	343	256	261	305	289	273·9	271	68	96	79	63	28	5
III.	LOCAL „	626	661	890	672	612	1365	792	661	936	793	800·8	735	256	295	84	145	188	23
IV.	DEVELOPMENTAL „	163	138	208	195	187	248	184	171	235	167	189·6	154	86	89	3	3	34	25
V.	VIOLENT DEATHS	43	23	40	70	63	62	67	40	67	48	52·3	46	14	18	13	11	3	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES	331	250	259	306	361	373	336	304	298	244	306·2	258	157	198	28	19	13	..
	2. ENTHETIC „	4	6	8	11	7	11	6	11	10	9	8·3	9	6	6	2	1	..	..
	3. DIETIC „	11	11	16	15	17	11	14	17	20	17	14·9	9	6	7	1	1	..	..
	4. PARASITIC „	2	..	3	2	3	4	3	2	4	3	2·6	4	4	4	..	..	..	..
II.	1. DIATHETIC „	40	37	50	59	42	57	45	36	57	46	46·9	54	5	8	5	15	22	4
	2. TUBERCULAR „	193	191	226	215	232	286	211	225	248	243	227·0	217	63	88	74	48	6	1
III.	1. DISEASES OF NERVOUS SYSTEM	161	169	165	173	152	265	180	168	191	180	180·4	172	91	95	21	19	34	3
	2. „ OF ORGANS OF CIRCULATION	50	62	95	68	61	147	74	77	96	91	82·1	99	..	11	17	37	32	2
	3. „ OF RESPIRATORY ORGANS	322	346	547	348	320	837	428	327	554	438	446·7	350	150	167	24	53	95	11
	4. „ OF DIGESTIVE ORGANS	56	62	61	53	50	70	77	48	56	44	57·7	63	7	10	10	20	17	6
	5. „ OF URINARY ORGANS	22	6	16	23	15	32	22	23	21	23	20·3	28	2	4	7	9	7	1
	6. „ OF ORGANS OF GENERATION	6	4	2	4	3	5	4	8	4	6	4·6	5	..	..	1	3	1	..
	7. „ OF ORGANS OF LOCOMOTION	1	3	1	1	4	5	3	4	7	5	3·4	10	4	6	2	1	1	..
	8. „ OF INTEGUMENTARY SYSTEM	8	9	3	2	7	4	4	6	7	6	5·6	8	2	2	2	3	1	..
IV.	1. DEV. DISEASES OF CHILDREN	34	33	42	60	57	53	38	59	51	45	47·2	36	36	36	..	..	..	..
	2. „ OF ADULTS	7	3	9	6	8	12	5	5	6	4	6·5	4	..	..	3	1	..	..
	3. „ OF OLD PEOPLE	71	58	87	71	67	122	83	55	93	57	76·4	52	..	..	..	..	27	25
	4. DISEASES OF NUTRITION	51	44	70	58	55	61	58	52	85	61	59·5	62	50	53	..	2	7	..
V.	*1 ACCIDENT OR NEGLIGENCE	38	19	39	62	53	57	65	35	60	42	47·0	37	14	18	8	7	3	1
	3. HOMICIDE	..	1	..	1	4	..	1	2	1	3	1·3	..	..	..	..	..	..	..
	4. SUICIDE	5	3	1	7	6	3	1	3	6	3	3·8	7	..	..	4	3	..	..
	5. EXECUTION	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	1	..	..	..	..	·1	2	..	..	1	1	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	8	3	3	7	8	7	7	8	5	1	5·7	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED	8	24	4	9	3	3	4	31	11	3	10·0	4	3	3	..	..	1	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 15 1859	Jan. 14 1860	Jan. 12 1861	Jan. 11 1862	Jan. 10 1863	Jan. 16 1864	Jan. 14 1865	Jan. 13 1866	Jan. 12 1867	Jan. 11 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, January 16, 1869. ALL AGES. Mean Temp 40°4	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	39°1	37°9	26°4	42°9	40°1	36°8	42°8	36°9	39°3	30°6	37°3							
I.	ORDER 1.																		
	1. Small-pox	14	41	5	1	24	18	16	21	41	11	19·2	3	1	3	..	..	..	..
	2. Measles	49	23	56	20	61	32	48	41	29	48	40·7	20	19	20	..	..	..	..
	3. Scarlet Fever (Scarlatina)	102	62	37	73	82	90	55	32	33	49	72·0	64	44	64	..	..	..	..
	4. Diphtheria		7	17	27	13	8	7	8	8	10		8	7	8	..	..	..	..
	5. Quinsy	4	1	1	1	2	..	4	3	..	..	1·6	1	..	1	..	..	..	..
	6. Croup	8	5	13	22	22	15	17	21	16	18	15·8	18	18	18	..	..	..	..
	7. Whooping-cough	67	31	72	62	53	73	73	72	73	49	62·5	51	46	51	..	..	..	..
	8. Typhus	41	33	24	62	62	78	77	72	59	25	53·3	24	..	6	8	7	3	..
	— Enteric Fever												27	9	13	7	6	1	..
	— Simple continued Fever												8	2	3	2	1	2	..
	9. Erysipelas	6	6	5	8	11	11	11	6	4	3	7·1	8	3	3	1	1	3	..
	10. Puerperal Fever (Metria)	7	4	4	4	5	7	4	2	2	2	4·1	5	..	..	5	..	..	..
	11. Carbuncle	..	..	1	..	..	1	..	1	1	..	·4	2	..	..	..	..	2	..
	12. Influenza	3	2	1	..	3	5	..	..	1	2	1·7	..	..	..	..	..	..	..
	13. Dysentery	3	..	1	2	5	2	1	4	3	1	2·2	..	..	..	..	..	..	..
	14. Diarrhœa	11	15	11	15	13	17	13	12	13	22	14·2	12	8	8	1	1	2	..
	15. Simple Cholera	..	1	..	1	..	..	..	..	1	1	·4	..	..	..	..	..	..	..
	16. Ague	1	2	..	..	..	..	..	..	1	1	·5	..	..	..	..	..	..	..
	17. Remittent Fever	1	6	..	..	..	1	..	2	..	..	1·0	..	..	..	..	..	..	..
	18. Rheumatism	14	10	11	8	5	15	10	7	13	2	9·5	7	..	..	4	3	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	3	3	4	10	6	8	6	10	10	7	6·7	8	6	6	2	..	..	..
	2. Stricture of Urethra	1	3	4	1	1	3	..	1	..	2	1·6	1	..	..	..	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	1	2	2	2	..	1	1	2	3	1·5	..	..	..	..	..	..	..
	2. Want of Breast-milk	7	5	9	7	8	6	8	9	11	9	7·9	4	4	4	..	..	..	..
	3. Purpura and Scurvy	1	2	..	..	..	1	2	3	2	..	1·1	3	2	3	..	..	..	..
	4. Alcoholism *a* Del. Tremens	..	1	2	2	3	2	3	4	3	4	2·4	1	..	..	1	..	..	..
	4. Alcoholism *b* Intemperance	2	2	3	4	4	2	..	..	2	1	2·0	1	..	..	..	1	..	..
	ORDER 4.																		
	1. Thrush	2	..	2	2	2	4	2	2	3	3	2·2	4	4	4	..	..	..	..
	2. Worms, &c.	..	..	1	..	1	..	1	..	1	..	·4	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	..	..	4	1	5	1	..	4	..	1·6	3	..	..	1	1	1	..
	2. Dropsy	16	12	15	17	15	12	19	13	15	19	15·3	13	3	5	..	2	5	1
	3. Cancer	21	25	30	32	21	33	22	18	33	22	25·7	33	..	..	4	12	16	1
	4. Cancrum Oris (Noma)	1	..	1	2	1	1	..	..	2	1	·9	2	1	2	..	..	..	..
	5. Mortification	1	..	4	4	4	6	3	5	3	4	3·4	3	1	1	..	..	..	2
	ORDER 2.																		
	1. Scrofula	10	6	11	7	10	10	5	16	6	14	9·5	8	4	6	..	2	..	..
	2. Tabes Mesenterica	11	16	16	8	18	15	23	11	13	17	14·8	17	17	17	..	..	..	..
	3. Phthisis	146	140	162	170	174	235	161	170	209	187	175·4	158	12	31	74	46	6	1
	4. Hydrocephalus	26	29	37	30	30	26	22	28	20	25	27·3	34	30	34	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	10	14	10	10	8	17	23	9	18	10	12·9	21	14	15	5	1	..	..
	2. Apoplexy	33	32	29	38	37	65	53	33	45	44	40·9	27	1	1	2	9	15	..
	3. Paralysis	28	35	47	36	25	49	27	33	36	43	35·9	24	..	..	1	6	16	1
	4. Insanity	7	1	2	2	1	5	3	3	5	2	3·1	3	..	..	2	..	1	..
	5. Chorea	..	..	..	1	..	..	1	..	..	..	·2	1	..	1	..	..	..	..
	6. Epilepsy	11	12	7	12	6	14	5	11	6	9	9·3	11	..	..	9	1	1	..
	7. Convulsions	55	54	44	55	51	77	53	64	59	52	56·4	71	70	71	..	..	..	..
	8. *Brain Disease, &c.*	17	21	26	19	24	38	15	15	22	20	21·7	14	6	7	2	2	1	2
	ORDER 2.																		
	1. Pericarditis	3	3	1	..	3	5	2	1	7	4	2·9	3	..	..	3	..	..	..
	2. Aneurism	3	..	4	1	4	4	2	2	3	6	2·9	4	..	1	2	1	..	..
	3. *Heart Disease, &c.*	44	59	90	67	54	138	70	74	86	81	76·3	92	..	10	12	36	32	2
	ORDER 3.																		
	1. Laryngitis	8	9	16	11	10	13	12	7	7	9	10·2	11	7	8	2	..	1	..
	2. Bronchitis	182	188	333	211	194	543	267	204	375	294	279·1	197	78	83	8	32	66	8
	3. Pleurisy	2	4	6	3	1	10	4	1	6	5	4·2	6	2	3	1	2	..	..
	4. Pneumonia	104	120	140	83	76	156	99	100	97	91	106·6	100	58	68	11	10	10	1
	5. Asthma	22	18	41	18	21	72	25	7	46	20	29·0	15	..	..	..	5	8	2
	6. *Lung Disease, &c.*	4	7	11	22	18	43	21	8	23	19	17·6	21	5	5	2	4	10	..
	ORDER 4.																		
	1. Gastritis	7	2	2	2	3	4	1	..	2	1	2·4	2	1	1	..	..	1	..
	2. Enteritis	4	2	3	6	5	8	8	3	5	9	5·3	2	..	..	..	..	1	1
	3. Peritonitis	3	4	9	4	2	3	9	4	2	5	4·5	8	1	2	3	1	1	1
	4. Ascites	5	3	3	4	3	4	6	..	3	3	3·4	3	..	..	..	2	1	..
	5. Ulceration of Intestines	1	4	3	..	3	2	2	1	2	2	2·0	2	..	..	..	2	..	..
	6. Hernia	7	10	3	2	6	3	4	3	4	3	4·5	2	..	..	..	2	..	..
	7. Ileus	6	1	5	4	1	2	7	1	2	3	3·2	3	1	1	..	..	1	1
	8. Intussusception	..	1	1	..	..	..	1	..	1	..	·4	1	1	1	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism:" of "hæmorrhage" and "abscess"

n the SECOND WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 15 1859	Jan. 14 1860	Jan. 12 1861	Jan. 11 1862	Jan. 10 1863	Jan. 16 1864	Jan. 14 1865	Jan. 13 1866	Jan. 12 1867	Jan. 11 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, January 16, 1869. ALL AGES. Mean Temp.	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	39°1	37°9	26°4	42°9	40°1	36°8	42°8	36°9	39°3	30°6	37°3	40°4						
	9. Stricture of Intestines	..	1	..	1	..	2	..	..	..	..	·4	1	..	..	..	..	..	1
	10. Fistula	1	..	..	..	2	..	2	..	..	..	·5	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	8	8	9	7	12	13	12	9	6	7	9·1	7	..	..	1	..	6	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
	13. Hepatitis	1	3	3	3	3	5	1	7	2	..	2·8	3	..	..	1	1	1	..
	14. Jaundice	3	9	1	1	4	3	1	3	1	2	2·8	7	2	3	1	..	1	2
	15. *Liver Disease, &c.*	10	14	18	19	6	21	23	17	26	9	16·3	21	1	2	4	11	4	..
	16. *Spleen Disease, &c.*	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	1	..	..	..	1	2	1	1	1	1	·8	2	..	1	..	1	..	..
	2. Ischuria	..	..	..	..	1	1	1	1	..	..	·4	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	10	..	4	9	7	14	5	8	4	10	7·1	12	..	1	5	5	1	..
	4. Diabetes	2	1	4	3	2	2	2	3	..	2	2·1	4	1	1	..	1	2	..
	5. Calculus (Stone)	..	..	1	..	..	1	..	1	..	..	·3	2	..	..	2	..	..	..
	6. Cystitis	..	..	..	..	1	1	..	..	2	2	·6	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	9	5	7	11	3	11	13	9	14	8	9·0	7	1	1	..	2	3	1
	ORDER 6.																		
	1 Ovarian Dropsy	..	..	..	..	1	1	1	..	2	1	·6	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	6	4	2	4	2	4	3	8	2	5	4·0	5	..	..	1	3	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	1	..	..	..	1	1	..	..	·3	1	..	..	1	..	..	..
	2. *Joint Disease, &c.*	1	3	..	1	4	5	2	3	7	5	3·1	9	4	6	1	1	1	..
	ORDER 8.																		
	1. Phlegmon	5	6	3	1	2	3	1	1	..	2	2·4	5	1	1	2	2	..	..
	2. Ulcer	3	2	..	..	3	..	2	4	4	2	2·0	2	1	1	..	1	..	..
	3. *Skin Disease, &c.*	..	1	..	1	2	1	1	1	3	2	1·2	1	..	..	..	..	1	..
IV.	ORDER 1.																		
	1. Premature Birth	15	20	20	33	34	19	23	31	28	21	24·4	15	15	15	..	..	..	..
	2. Cyanosis	3	4	3	1	2	1	2	3	1	4	2·4	2	2	2	..	..	..	..
	3. Spina Bifida	..	..	1	..	..	1	..	1	..	1	·4	3	3	3	..	..	..	..
	4. Other Malformations	1	3	1	1	1	1	..	5	1	1	1·5	1	1	1	..	..	..	..
	5. Teething	15	6	17	25	20	31	13	19	21	18	18·5	15	15	15	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	2. Childbirth(*see* Puerperal Fevr.)	7	3	9	6	8	12	5	5	6	3	6·4	4	..	..	3	1	..	..
	ORDER 3.																		
	1. Old Age	71	58	87	71	67	122	83	55	93	57	76·4	52	..	..	..	..	27	25
	ORDER 4.																		
	1. Atrophy and Debility	51	44	70	58	55	61	58	52	85	61	59·5	62	50	53	..	2	7	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	16	5	11	23	25	20	33	16	23	18	19·0	17	1	2	6	5	3	1
	2. Wounds	1	1	..	3	1	..	1	..	1	..	·8	..	..	..	..	..	..	..
	3. Burns and Scalds	11	5	12	18	12	11	13	8	9	12	11·1	3	2	3	..	..	..	..
	4. Poison.	..	1	..	..	1	..	2	..	2	3	·9	..	..	..	..	..	..	..
	5. Drowning	3	..	1	3	3	4	2	2	3	1	2·2	3	..	1	1	1	..	..
	6. Suffocation	5	6	11	12	8	14	13	7	10	6	9·2	10	10	10	..	..	..	..
	7. Otherwise	2	1	4	3	3	8	1	2	12	2	3·8	4	1	2	1	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	..	1	..	1	4	..	1	2	1	3	1·3	..	..	..	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	1	..	..	1	..	..	..	..	..	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	2	1	1	5	..	1	1	1	1	..	1·3	1	..	..	1	..	..	..
	2. Poison.	..	..	..	..	2	..	..	1	3	..	·6	3	..	..	2	1	..	..
	3. Drowning	1	1	..	..	..	..	..	1	..	1	·4	2	..	..	1	1	..	..
	4. Hanging	2	..	..	1	2	2	..	..	1	2	1·0	1	..	..	..	1	..	..
	5. Otherwise	..	..	..	1	1	..	..	..	1	..	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	1	..	..	..	..	·1	2	..	..	1	1	..	..
	Sudden Deaths (Cause unascertained)	8	3	3	7	8	7	7	8	5	1	5·7	..	..	..	..	..	..	..
	Causes not specified or ill-defined	8	24	4	9	3	3	4	31	11	3	10·0	4	3	3	..	..	1	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 16th January, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.	Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
January.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . 10	..	30·145	46·0	38·6	7·4	41·4	38·3	46·3	36·0	44·8	42·9	3·1	4·0	2·3	+ 5·5	89	SE.	SE.	1·0	0·0	0·1	191	0·00	5
Monday . 11	Greatest Dec. S.	30·050	39·7	36·7	3·0	37·9	37·1	42·3	36·7	44·6	43·4	0·8	1·8	0·0	+ 1·9	97	SE.	SE.	0·1	0·0	0·0	135	0·00	5
Tuesday . 12	New	29·992	41·2	37·0	4·2	39·3	37·9	44·3	37·0	44·4	42·4	1·4	2·8	0·0	+ 3·2	95	SE.	SE.	0·0	0·0	0·0	123	0·00	2
Wednesday 13	..	29·864	39·9	34·8	5·1	37·1	36·4	43·1	34·8	43·4	41·4	0·7	1·2	0·2	+ 0·9	97	ESE.	E. by S.	0·3	0·0	0·0	151	0·00	1
Thursday . 14	..	29·642	42·7	33·1	9·6	37·4	36·2	42·8	33·0	44·0	41·7	0·8	2·0	0·0	+ 1·1	96	SE.	SSE.	2·6	0·0	0·1	184	0·00	2
Friday . . 15	..	29·551	50·9	41·7	9·2	45·9	42·8	69·0	40·2	42·7	41·5	3·1	5·7	1·5	+ 9·5	89	S. & SSW.	SW. & WSW.	7·3	0·0	1·2	464	0·23	3
Saturday . 16	Apogee	30·014	48·7	37·1	11·6	44·1	42·8	54·7	32·1	42·4	41·4	1·3	3·9	0·0	+ 7·6	95	WSW. & SW.	SSW.	1·5	0·0	0·1	271	0·00	1
Means . .	..	29·894	44·2	37·0	7·2	40·4	38·8	48·9	35·7	43·8	42·1	1·6	3·1	0·6	+ 4·2	94	SE.		..	..	..	Sum 1519	Sum 0·23	2·7
No. of Columns.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. January.	Electricity.	Sky and Atmosphere.
Sunday . 10	No electricity was shown at any examination.	Overcast generally.
Monday . 11		Overcast. A little thin rain fell occasionally. The range of temperature in the 24 hours amounted to 3° only.
Tuesday . 12		Overcast. Thin rain fell occasionally in the afternoon. The range of temperature was very small.
Wednesday 13	Positive, with very feeble tension, was shown at night.	Overcast generally. Fog at night.
Thursday . 14	No electricity was shown.	Overcast.
Friday . 15		The amount and description of cloud varied continually. Occasional heavy showers of rain.
Saturday . 16		Generally overcast. Fine rain fell in the afternoon.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30·34 in. at the beginning of the week to 29·47 in. by 9h. A.M. on the 15th; and increased to 30·05 in. by the end of the week.



WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 3. 1869. Vol. XXX.] Week ending Saturday, January 23. [Price 1*d.*

General Register Office, Somerset House,
25th January 1869.

In the week that ended on Saturday, 23d January, 4761 births, and 3442 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 27 per 1000 persons living.

The annual rate of mortality last week was 26 per 1000 in London, 38 in Edinburgh, and 28 in Dublin; 29 in Bristol, 21 in Birmingham, 28 in Liverpool, 29 in Manchester, 23 in Salford, 28 in Sheffield, 27 in Bradford, 28 in Leeds, 26 in Hull, 28 in Newcastle-upon-Tyne, and 38 in Glasgow. The rate in Vienna was 28 per 1000 during the week ending the 16th inst., and in Berlin 29 per 1000 during the seven days ending the 21st instant.

Through the courtesy of Dr. Trench, Medical Officer of Health for Liverpool, we are enabled to compare the mortality of London and Liverpool during the three weeks ending last Saturday, in one or two important particulars. Of the 4569 deaths registered in London in those three weeks, 1853 or 40 per cent. were of children under five years of age, and 908 or 20 per cent. resulted from all diseases of a zymotic character. In Liverpool of the 851 deaths, 335 or 39 per cent. were of children under five, and 191 or 22 per cent. were referred to zymotic diseases. The annual rate of mortality in the three weeks from all causes, and at all ages, was 25 per 1000 persons living in London, and 29 in Liverpool. The death-rate in Liverpool, however, shows a satisfactory decline upon the rates prevailing in the three corresponding weeks of the three years 1866–68, which were 44, 37, and 34 per 1000 respectively.

In London the births of 1125 boys and 1151 girls, in all 2276 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2236.

The deaths registered in London during the week were 1578. It was the third week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1773. The deaths in the present return are less by 195 than the estimated amount, but exceed by 88 the number recorded in the preceding week.

The deaths from zymotic diseases were 308, the corrected average number being 360. Ten deaths from small-pox, 28 from measles, 64 from scarlet fever, 5 from diphtheria, 63 from whooping-cough, 15 from typhus fever, 22 from enteric fever, 9 from simple continued fever, and 16 from diarrhœa were registered.

The daughter of a brass finisher, aged 8 years, died on 20th January at 7 Rochester-row, Westminster, of "choleraic diarrhœa (5 days)."

Two deaths from scarlet fever were recorded in the sub-district of St. Paul Hammersmith, 2 in the sub-district of Chelsea South, 2 in the sub-district of St. James'-square, 3 in the sub-district of Regent's-park, 3 in the sub-district of Hoxton New Town, 2 in the sub-district of Haggerstone East, 4 in the Town sub-district of Bethnal-green, 2 in the sub-district of Limehouse, 3 in the sub-district of St. Peter Walworth, 3 in the sub-district of Kennington first part, and 2 in the sub-district of Sydenham.

One hundred and ninety-eight deaths occurred from phthisis, 249 from bronchitis, and 89 from pneumonia. The corrected average number of deaths from phthisis is 194, from bronchitis 292, and from pneumonia 119. In the preceding week which ended 16th January, the deaths from these diseases were 158, 197, and 100 respectively.

Diseases of the brain and nervous system proved fatal to 168 persons, and 86 persons died from diseases of the organs of circulation.

Three persons died from delirium tremens, 7 infants and 4 adults from syphilis, 28 deaths occurred from cancer, 9 from rheumatism, 9 from Bright's disease (nephria), 4 from diabetes, 15 from childbirth or puerperal fever, and 81 from old age.

The deaths of 6 infants and one adult from burns or scalds, of 7 persons from drowning, of 7 infants from suffocation, and of 5 persons who committed suicide were recorded.

Three persons were killed by horses or vehicles in the streets. In one case a verdict of manslaughter was returned; the unfortunate victim was the daughter of a commercial clerk, aged 24 years: she died from "concussion and compression " of the brain, being knocked down through the furious riding of a person " unknown." (*Inquest.*)

Of the 1578 deaths, 631 were children under 5 years of age; of these 5 died from small-pox, 28 from measles, 46 from scarlet fever, 2 from diphtheria, 12 from croup, 61 from whooping-cough, one from typhus fever, 6 from enteric fever, 2 from simple continued fever, one from erysipelas, 11 from diarrhœa, 7 from want of breast milk, 6 from thrush, 13 from tabes mesenterica, 15 from phthisis, 34 from hydrocephalus, 8 from cephalitis, 67 from convulsions, 7 from laryngitis, 86 from bronchitis, 58 from pneumonia, 4 from enteritis, 23 from premature birth, 16 from teething, and 61 from atrophy and debility.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 30·154 in. The barometrical reading decreased from 30·35 in. on Tuesday, 19th January, to 29·93 in. by the end of the week. The mean temperature of the air in the week was 36·6°, which is 0·5° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 50·5° on Sunday, 17th January. The lowest night temperature was 28·1° on Saturday, 23d January. The entire range of temperature in the week was, therefore, 22·4°. The mean of the highest temperatures of the water of the Thames was 42·6°; that of the lowest was 41·5°. The difference between the mean dew-point temperature and air temperature was 3·7°. The mean degree of humidity of the air was 87, complete saturation being represented by 100. Rain fell to the amount of 0·13 in. The general direction of the wind was S.E. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 204,230 cubic metres, and at Barking 131,917 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Third Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1851	1858	1859	1996	1931	2076	2122	2246	2189	2202	2033·0	2276
Males . .	928	940	939	1007	984	1063	1053	1149	1131	1129	1032·3	1125
Females . .	923	918	920	989	947	1013	1069	1097	1058	1073	1000·7	1151
Total Deaths	1380	1297	1926	1391	1477	2180	1585	1569	1714	1596	1611·5	1578
Males . .	675	679	924	677	739	1007	818	768	817	800	790·4	781
Females . .	705	618	1002	714	738	1173	767	801	897	796	821·1	797

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 23d day of January 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 23d January.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 23d January.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4761**	**3244**	**3442**	**55·6**	**27·2**	**40·1**	**0·53**	**54**	**13·12**	**−2·67**	**4·50**	**135**
London (Metropolis)	3,170,754	40·7	2070	2276	1462	1578	50·5	28·1	36·6	0·13	13	10·28	−2·16	2·56	33
Bristol (City)	169,423	36·1	109	123	76	93 *	52·8	27·2	41·2	0·34	34	11·56	−2·67	5·11	86
Birmingham (Borough)	360,846	46·1	283	284	175	147	53·8	30·8	38·8	0·46	46	12·12	−0·66	3·78	117
Liverpool (Borough)	509,052	99·7	345	371	295	271	51·5	29·3	39·8	0·31	31	10·84	−1·50	4·34	79
Manchester (City)	370,892	82·7	277	255	210	203 *	53·5	33·0	40·9	0·41	41	11·95	0·56	4·94	104
Salford (Borough)	119,350	23·1	89	93	60	52	55·5	32·1	41·4	0·37	37	13·06	0·06	5·22	94
Sheffield (Borough)	239,752	10·5	196	177	126	127	55·0	31·0	39·2	0·36	36	12·78	−0·56	4·00	29
Bradford (Borough)	138,522	21·0	105	144	71	71	..	..	..	..	..	..	..	..	..
Leeds (Borough)	253,110	11·7	189	205	129	135	54·0	33·0	41·9	0·65	66	12·22	0·56	5·50	165
Hull (Borough)	126,682	35·6	83	73	59	64	51·0	30·0	38·3	0·13	13	10·56	−1·11	3·50	33
Newcastle-on-Tyne (Borough)	130,503	24·5	90	116	69	69	45·0	30·0	38·5	0·18	18	7·22	−1·11	3·61	46
Edinburgh (City)	178,002	40·2	112	148	86	128	49·7	31·0	40·3	1·50	152	9·83	−0·56	4·61	382
Glasgow (City)	458,937	90·6	374	342	268	333	50·2	30·5	41·1	1·24	125	10·11	−0·83	5·06	315
Dublin (City and some suburbs)	320,762	32·9	219	154	158	171	55·6	30·5	43·8	0·87	88	13·12	−0·83	6·56	221
				Week ending 16th Jan. 1869.		Week ending 16th Jan. 1869.	Week ending 16th January 1869.					Week ending 16th January 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	305	..	..	27·3	..	..	..	..	−2·63	..
				Week ending 21st Jan. 1869.		Week ending 21st Jan. 1869.	Week ending 21st January 1869.					Week ending 21st January 1869.			
Berlin (City)	(1867) 702,437	..	..	604	..	395	..	..	23·2	..	..	..	..	−4·88	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, TYPHUS, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 23d January, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Diarrhœa.
LONDON -	2276	1578	10	28	64	5	63	46	16
WEST DISTRICTS -	343	282	2	1	12	-	3	8	3
NORTH DISTRICTS -	523	385	6	12	14	4	17	11	2
CENTRAL DISTRICTS	214	164	-	2	2	-	6	6	-
EAST DISTRICTS -	474	328	-	8	20	1	14	13	5
SOUTH DISTRICTS -	722	419	2	5	16	-	23	8	6
WEST DISTRICTS.									
St. Mary Paddington *WH*	45	29	-	-	-	-	-	-	-
St. John Paddington H	17	9	-	-	-	-	-	-	-
Kensington Town *W* -	48	35	-	-	1	-	-	2	-
Brompton H - -	18	13	-	-	1	-	-	-	-
St. Peter Hammersmith	2	4	-	-	-	-	-	-	-
St. Paul Hammersmith	24	17	-	1	2	-	-	1	-
Fulham *W* - - -	22	7	-	-	-	-	-	-	-
Chelsea South H - -	15	18	2	-	2	-	-	-	-
Chelsea North-west H*Ww*	19	33	-	-	2	-	-	-	1
Chelsea North-east -	12	9	-	-	1	-	-	1	-
Hanover Square - -	14	2	-	-	-	-	-	-	-
May Fair *W* - -	2	2	-	-	-	-	-	-	-
Belgrave H - - -	27	26	-	-	-	-	1	1	-
St. John Westminster -	28	24	-	-	-	-	-	1	1
St. Margaret West. *WH*	17	20	-	-	-	-	-	-	-
St. James's Square -	7	4	-	-	2	-	-	-	-
Golden Square *W* -	7	13	-	-	1	-	-	-	-
Berwick Street - -	6	6	-	-	-	-	-	1	1
St. Anne Soho - -	13	11	-	-	-	-	2	1	-
NORTH DISTRICTS.									
All Souls Marylebone H	25	23	-	-	2	-	2	-	-
Cavendish Square - -	10	3	-	-	-	1	-	-	-
Rectory Marylebone *W*	19	16	-	-	-	-	-	-	-
St. Mary Marylebone -	20	5	-	1	-	-	1	-	-
Christchurch Marylebone	21	20	-	-	-	-	3	-	-
St. John Marylebone -	19	13	-	-	1	-	-	-	-
Hampstead *W* - -	7	12	-	-	-	-	-	-	-
Regent's Park Pancras -	26	17	-	1	3	-	-	-	-
Tottenham-court *w*H -	16	6	-	-	-	-	1	-	-
Gray's Inn Lane H -	17	15	-	-	-	-	1	-	-
Somers Town - -	32	23	-	-	1	1	1	-	-
Camden Town *W* -	18	24	-	-	-	-	-	-	1
Kentish Town - -	58	25	-	-	2	1	1	1	-
Islington West* *WHH*	83	61	5	3	2	-	3	9	-
Islington East *Ww* -	73	52	1	2	1	-	2	-	-
Stoke Newington - -	3	1	-	-	-	-	-	-	-
Stamford Hill - -	4	4	-	-	-	-	1	-	-
West Hackney - -	21	15	-	-	-	-	-	-	-
Hackney *WHw* - -	27	41	-	4	1	1	1	1	-
South Hackney L -	24	9	-	1	1	-	-	-	1
CENTRAL DISTRICTS.									
St. George Bloomsbury -	8	6	-	-	-	-	-	-	-
St. Giles South *W* -	10	13	-	-	-	-	-	-	-
St. Giles North - -	14	6	-	-	-	-	-	-	-
Long Acre - - -	7	-	-	-	-	-	-	-	-
Charing Cross *WH* -	6	9	-	-	-	-	-	-	-
St. Mary le Strand -	4	2	-	-	-	-	-	1	-
St. Clement Danes' H -	6	9	-	-	-	-	1	-	-
St. George-the-Martyr H	16	5	-	-	-	-	2	-	-
St. Andrew, East Holb. *W*	9	9	-	-	-	-	-	-	-
Saffron Hill - - -	5	4	-	-	-	-	-	-	-
St. James Clerkenwell *W*	10	12	-	1	-	-	1	-	-
Amwell Clerkenwell -	17	8	-	-	-	-	-	1	-
Pentonville - - -	8	3	-	-	-	-	1	-	-
Goswell street - -	17	11	-	-	1	-	-	-	-
Old-street - - -	3	4	-	-	-	-	-	-	-
City-road HL - -	19	5	-	-	-	-	-	2	-
Whitecross-street - -	11	5	-	1	-	-	-	1	-
Finsbury - - -	5	6	-	-	-	-	-	1	-
St. Botolph East London	11	11	-	-	-	-	-	-	-
Cripplegate - - -	14	5	-	-	-	-	-	-	-
West London North *WH*	5	12	-	-	-	-	-	-	-
West London South -	6	11	-	-	-	-	-	-	-
London City South-west	-	3	-	-	1	-	1	-	-
London City North-west	-	2	-	-	-	-	-	-	-
London City South -	1	-	-	-	-	-	-	-	-
London City South-east	-	2	-	-	-	-	-	-	-
London City North-east	2	1	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	10	8	-	2	-	-	-	-	-
St. Leonard Shrdtch. L†	7	7	-	-	-	-	-	-	-
Hoxton New Town *w* -	23	21	-	-	3	-	-	-	-
Hoxton Old Town - -	19	14	-	-	-	-	3	1	1
Haggerstone West *W* -	18	13	-	-	-	-	-	-	-
Haggerstone East - -	22	7	-	-	2	-	-	-	-
Hackney road - -	33	12	-	-	-	1	1	1	-
Green, Bthnl.Grn. *WHL*†	29	23	-	1	-	-	2	2	1
Church, Bethnal Green	19	6	-	-	-	-	-	-	-
Town, Bethnal Green -	15	13	-	-	4	-	1	-	-
Artillery Whitechapel -	4	4	-	-	-	-	1	-	-
Spitalfields - - -	9	7	-	1	-	-	-	1	1
Mile End New Town *W*	12	13	-	-	-	-	-	-	-
Whitechapel North -	8	7	-	-	1	-	-	1	1
Whitechapel Church H	6	3	-	-	-	-	-	-	-
Goodman's Fields - -	8	6	-	-	-	-	-	-	-
Aldgate - - - -	4	4	-	-	1	-	-	1	-
St. Mary St. Geo. East -	6	8	-	-	-	-	-	1	-
St. Paul St. Geo. East -	15	13	-	1	1	-	-	1	-
St. John St. Geo. East *W*	5	8	-	-	-	-	1	-	-
Shadwell *W* - - -	6	5	-	1	-	-	-	-	-
Ratcliff *W* - - -	11	13	-	1	1	-	-	2	-
Limehouse *W* - -	24	13	-	-	2	-	-	-	1
Mile End Old Town, West	31	15	-	1	2	-	1	-	-
Mile End Old T., East *Ww*	36	25	-	-	2	-	1	1	-
Bow *wc*L† - - -	49	35	-	-	1	-	2	1	-
Poplar *W* - - -	45	25	-	-	-	-	1	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	13	8	-	-	-	-	2	-	-
St. Saviour Southwark H	10	6	-	-	-	-	-	-	1
St. Olave Southwark H	5	7	-	-	-	-	-	-	-
St. John Horsleydown *W*	9	8	-	-	-	-	-	-	1
St. James Bermondsey -	39	17	-	-	-	-	2	1	-
St. Mary Magdalen *W*	18	7	-	-	-	-	-	-	-
Leather Market - -	4	11	-	-	1	-	1	-	-
Kent-road - - -	18	10	-	-	1	-	1	-	-
Borough-road *W* - -	17	11	-	-	-	-	-	-	1
London road L - -	20	11	-	-	-	-	-	-	-
Trinity Newington -	19	5	-	-	1	-	1	-	-
St. Peter Walworth *W*	42	24	-	-	3	-	1	-	-
St. Mary Newington H -	10	13	-	-	-	-	-	-	-
Waterloo-road 1st - -	14	8	-	1	-	-	1	1	-
Waterloo-road 2nd -	17	9	-	-	-	-	-	-	1
Lambeth Church 1st -	17	6	-	-	-	-	3	-	-
Lambeth Church 2nd *W*	29	25	-	-	1	-	1	-	-
Kennington 1st - -	28	17	-	2	3	-	2	-	-
Kennington 2nd - -	17	11	1	-	-	-	-	1	-
Brixton - - - -	30	10	-	-	-	-	-	-	-
Norwood *W* - - -	7	7	-	-	1	-	1	1	1
Clapham - - -	22	12	-	-	-	-	-	1	-
Batter-sea *Ww* - -	44	23	-	-	2	-	2	-	-
Wandsworth L - -	9	7	-	1	-	-	-	-	-
Putney - - - -	4	2	-	1	-	-	-	-	-
Streatham - - -	5	3	-	-	-	-	-	-	-
Dulwich - - -	1	-	-	-	-	-	-	-	-
Camberwell *WL*†L† -	19	8	-	-	-	-	1	-	-
Peckham - - -	27	15	-	-	1	-	-	-	-
St. George Camberwell -	25	13	-	-	-	-	2	-	-
Rotherhithe *W* - -	24	11	-	-	-	-	1	-	-
St. Paul Deptford - -	42	27	-	-	-	-	1	-	-
St. Nicholas Deptford -	4	6	-	-	-	-	-	-	-
Greenwich West H -	12	7	1	-	-	-	-	-	1
Greenwich East *WH* -	16	21	-	-	-	-	-	1	-
Eltham - - - -	4	-	-	-	-	-	-	-	-
Lee - - - -	8	3	-	-	-	-	-	-	-
Lewisham Village *W* -	3	7	-	-	-	-	-	-	-
Sydenham - - -	11	7	-	-	2	-	-	1	-
Charlton H - - -	6	4	-	-	-	-	-	1	-
Woolwich Dockyard H	10	2	-	-	-	-	-	-	-
Woolwich Arsenal H -	17	4	-	-	-	-	-	-	-
Plumstead, West - -	21	2	-	-	-	-	-	-	-
Plumstead, East - -	5	4	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh.	is in	Chelsea North west sub-dist.	2 : 2.
The Strand - -	,, ,,	Tottenham-court sub-district.	9 : 2.
West London - -	,, ,,	Islington East.	10 : 2.
East London - -	,, ,,	Hackney sub district.	11 : 4.
St. Luke Middlesex	,, ,,	Hoxton New Town sub-dist.	21 : 3.
London City - -	,, ,,	Mile End Old Town Eastern sub-dist. 24*b* : 2; and Bow sub-dist.	2 : 1.
Stepney - - -	,, ,,	Bow sub district.	25 : 1.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the THIRD WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 22 1859	Jan. 21 1860	Jan. 19 1861	Jan. 18 1862	Jan. 17 1863	Jan. 23 1864	Jan. 21 1865	Jan. 20 1866	Jan. 19 1867	Jan. 18 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Jan. 23, 1869. ALL AGES.	Deaths of Persons of the Ages Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	43°·3	39°·5	30°·5	35°·0	38°·1	44°·5	34°·1	46°·9	26°·0	44°·9	38°·3	Mean Temp 36°·6						
	ALL CAUSES . . .	1380	1297	1926	1391	1477	2180	1585	1569	1714	1596	1611·5	1578	631	721	220	268	305	64
	SPECIFIED CAUSES .	1371	1286	1905	1338	1465	2164	1559	1539	1703	1585	1591·5	1571	627	717	218	268	304	64
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	331	254	277	303	379	403	357	342	312	317	327·5	308	197	239	31	15	21	2
II.	CONSTITUTIONAL „ .	266	231	289	231	277	361	263	272	291	281	276·2	294	64	83	101	83	27	..
III.	LOCAL „ .	589	617	1074	605	612	1139	731	676	832	743	761·8	722	245	273	68	153	206	22
IV.	DEVELOPMENTAL „ .	125	144	217	149	157	228	166	170	219	183	175·8	200	103	103	7	4	46	40
V.	VIOLENT DEATHS . .	60	40	48	50	40	33	42	79	49	61	50·2	47	18	19	11	13	4	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	312	229	255	282	360	380	326	311	284	289	302·8	275	175	216	27	12	18	2
	2. ENTHETIC „ . .	4	6	7	5	6	13	8	6	11	11	7·7	14	7	7	4	1	2	..
	3. DIETIC „ . .	14	16	14	15	12	9	16	23	16	16	15·1	12	9	9	..	2	1	..
	4. PARASITIC „ . .	1	3	1	1	1	1	7	2	1	1	1·9	7	6	7	..	..	..	..
II.	1. DIATHETIC „ . .	47	36	51	44	50	63	54	46	64	46	50·1	43	1	2	6	21	14	..
	2. TUBERCULAR „ . .	219	195	238	187	227	298	209	226	227	235	226·1	251	63	81	95	62	13	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	145	123	176	137	137	183	175	181	173	172	160·2	168	82	87	12	27	37	5
	2. „ OF ORGANS OF CIRCULATION .	62	53	119	55	67	100	76	62	85	93	77·2	86	2	11	17	26	31	1
	3. „ OF RESPIRATORY ORGANS . .	302	357	702	310	326	744	379	329	488	388	432·5	375	154	162	18	69	114	12
	4. „ OF DIGESTIVE ORGANS . .	45	52	56	64	54	61	60	68	58	51	56·9	53	5	8	11	20	13	1
	5. „ OF URINARY ORGANS . . .	21	20	14	24	16	30	31	23	21	28	22·8	28	1	2	8	8	7	3
	6. „ OF ORGANS OF GENERATION .	3	5	1	7	5	4	3	7	..	5	4·0	5	..	1	..	3	1	..
	7. „ OF ORGANS OF LOCOMOTION .	3	2	3	4	6	10	7	3	4	3	4·5	4	..	1	1	..	2	..
	8. „ OF INTEGUMENTARY SYSTEM .	8	5	3	4	1	7	..	3	3	3	3·7	3	1	1	1	..	1	..
IV.	1. DEV. DISEASES OF CHILDREN	32	33	43	43	39	43	45	48	45	49	42·0	42	42	42	..	..	..	..
	2. „ OF ADULTS . .	6	5	5	8	3	9	5	5	1	4	5·1	8	..	..	7	1	..	..
	3. „ OF OLD PEOPLE	49	49	114	57	67	108	68	63	101	67	74·3	81	..	..	..	..	41	40
	4. DISEASES OF NUTRITION .	38	57	55	41	48	68	48	54	72	63	54·4	69	61	61	..	3	5	..
V.	1. ACCIDENT OR NEGLIGENCE .	52	33	43	40	36	28	36	71	44	52	43·5	39	16	17	8	11	3	..
*	3. HOMICIDE	5	1	1	3	3	3	4	2	1	1	2·4	3	2	2	1	..	..	..
	4. SUICIDE	3	6	4	7	1	2	2	6	4	6	4·1	5	..	..	2	2	1	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	2	·2	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	8	1	5	8	8	4	3	10	1	5	5·3	3	2	2	..	..	1	..
	CAUSES NOT SPECIFIED . .	1	10	16	45	4	12	23	20	10	6	14·7	4	2	2	2	..	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 22 1859	Jan. 21 1860	Jan. 19 1861	Jan. 18 1862	Jan. 17 1863	Jan. 23 1864	Jan. 21 1865	Jan. 20 1866	Jan. 19 1867	Jan. 18 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Jan. 23, 1869. Deaths of Persons of the Ages: ALL AGES. Mean Temp.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	43°3	39°5	30°5	35°0	38°1	44°5	34°1	46°9	26°0	44°9	38°3	36°6						
I.	ORDER 1.																		
	1. Small-pox	20	43	3	7	21	12	9	16	36	33	20·0	10	5	7	1	2	..	..
	2. Measles	21	19	40	15	66	34	42	38	21	37	33·3	28	28	28	..	..	..	..
	3. Scarlet Fever (Scarlatina)	111	48	27	57	81	73	52	38	45	36	67·1	64	46	62	2	..	..	..
	4. Diphtheria		11	11	14	15	7	12	11	13	9		5	2	3	1	1	..	..
	5. Quinsy	3	2	5	2	6	2	..	1	..	1	2·2	..	..	..	..	..	..	..
	6. Croup	7	11	16	21	21	25	16	14	19	13	16·3	14	12	14	..	..	..	..
	7. Whooping-cough	58	38	83	74	62	77	62	78	76	73	68·1	63	61	63	..	..	..	..
	8. Typhus	39	32	26	52	49	88	81	69	46	50	53·2	15	1	3	6	4	2	..
	— Enteric Fever												22	6	14	6	1	1	..
	— Simple continued Fever												9	2	3	..	..	6	..
	9. Erysipelas	7	2	7	5	5	4	8	7	6	10	6·1	3	1	1	..	..	1	1
	10. Puerperal Fever (Metria)	9	6	2	6	4	9	7	5	1	5	5·4	7	..	1	6	..	..	..
	11. Carbuncle	1	..	..	1	3	1	1	2	1	3	1·3	1	..	..	..	1	..	..
	12. Influenza	9	1	1	3	5	11	3	1	3	..	3·7	5	..	..	..	1	3	1
	13. Dysentery	2	..	4	1	..	1	2	5	3	1	1·9	3	..	..	1	1	1	..
	14. Diarrhœa	18	7	9	14	11	19	16	11	6	14	12·5	16	11	12	1	..	3	..
	15. Simple Cholera	..	..	1	1	..	1	..	..	1	..	·4	1	..	1	..	..	..	..
	16. Ague	..	2	..	..	..	..	..	..	1	..	·3	..	..	..	..	..	..	..
	17. Remittent fever	..	3	3	1	2	2	2	1	..	..	1·4	..	..	..	..	..	..	..
	18. Rheumatism	7	4	17	8	9	14	13	14	6	3	9·5	9	..	4	3	1	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	2	5	7	2	5	12	6	6	11	10	6·6	11	7	7	4	..	..	..
	2. Stricture of Urethra	2	1	..	3	1	1	2	..	..	1	1·1	3	..	..	..	1	2	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	1	2	2	..	2	..	2	1	3	1·3	..	..	..	..	..	..	..
	2. Want of Breast-milk	9	9	9	9	8	5	14	14	4	8	8·9	7	7	7	..	..	..	..
	3. Purpura and Scurvy	1	2	..	1	1	2	..	..	5	3	1·5	2	2	2	..	..	..	..
	4. Alcoholism *a* Del. Tremens	1	2	1	3	1	..	1	2	4	2	1·7	3	..	..	..	2	1	..
	4. Alcoholism *b* Intemperance	3	2	2	..	2	..	1	5	2	..	1·7	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	1	2	1	1	1	1	6	2	1	1	1·7	6	6	6	..	..	..	..
	2. Worms, &c.	..	1	..	..	..	..	1	..	..	..	·2	1	..	1	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	..	1	1	1	5	1	1	2	5	1·9	..	..	..	..	..	..	..
	2. Dropsy	24	15	23	10	12	11	19	17	15	10	15·6	14	1	1	5	2	6	..
	3. Cancer	17	18	22	29	30	44	27	20	41	26	27·4	28	..	1	1	19	7	..
	4. Cancrum Oris (Noma)	..	..	..	..	3	1	1	..	1	1	·7	..	..	..	..	..	..	..
	5. Mortification	4	3	5	4	4	2	6	8	5	4	4·5	1	..	..	..	..	1	..
	ORDER 2.																		
	1. Scrofula	7	9	12	10	4	7	5	10	6	5	7·5	2	1	1	..	1	..	..
	2. Tabes Mesenterica	9	9	17	11	16	13	19	15	11	16	13·6	14	13	14	..	..	..	..
	3. Phthisis	176	147	183	144	173	246	156	165	189	186	176·5	198	15	29	95	61	13	..
	4. Hydrocephalus	27	30	26	22	34	32	29	36	21	28	28·5	37	34	37	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	15	11	13	11	12	9	14	17	15	16	13·3	11	8	8	2	..	1	..
	2. Apoplexy	35	22	44	32	25	36	44	45	41	45	36·9	34	1	2	6	13	12	1
	3. Paralysis	27	19	43	30	31	48	41	36	39	39	35·3	34	..	..	2	7	21	4
	4. Insanity	..	1	..	1	1	2	2	5	3	..	1·5	..	..	..	..	..	..	..
	5. Chorea	1	..	..	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	6. Epilepsy	9	6	5	3	9	4	11	13	6	2	6·8	4	..	2	..	2	..	..
	7. Convulsions	40	50	46	42	38	61	47	54	46	56	48·0	71	67	69	1	1	..	..
	8. *Brain Disease, &c.*	18	14	25	17	21	23	16	11	23	14	18·2	14	6	6	1	4	3	..
	ORDER 2.																		
	1. Pericarditis	1	4	5	1	..	3	2	..	3	1	2·0	3	1	2	..	1	..	..
	2. Aneurism	2	2	5	3	1	6	2	3	4	1	2·9	2	..	..	1	1	..	..
	3. *Heart Disease, &c.*	59	47	109	51	66	91	72	59	78	91	72·3	81	1	9	16	24	31	1
	ORDER 3.																		
	1. Laryngitis	11	5	6	6	11	9	7	6	7	9	7·7	8	7	8	..	..	..	..
	2. Bronchitis	190	192	471	185	170	498	221	188	308	235	265·8	249	86	88	8	43	100	10
	3. Pleurisy	5	1	3	11	5	4	5	4	2	7	4·7	2	..	1	1	..	..	..
	4. Pneumonia	76	123	155	79	104	148	101	110	100	92	108·8	89	58	62	8	15	3	1
	5. Asthma	12	19	57	13	26	59	22	8	42	23	28·1	17	..	..	1	9	6	1
	6. *Lung Disease, &c.*	8	17	10	16	10	26	23	13	29	22	17·4	10	3	3	..	2	5	..
	ORDER 4.																		
	1. Gastritis	2	1	3	2	2	3	2	3	4	1	2·3	1	..	..	..	..	1	..
	2. Enteritis	3	8	2	5	4	5	6	5	6	4	4·8	5	4	5	..	..	..	..
	3. Peritonitis	5	3	5	4	3	7	6	7	7	5	5·2	5	..	..	2	2	1	..
	4. Ascites	2	2	2	8	4	4	5	2	1	2	3·2	2	..	..	1	1	..	..
	5. Ulceration of Intestines	1	3	3	4	1	3	..	4	1	3	2·3	2	..	1	1	..	..	..
	6. Hernia	4	6	6	2	6	5	2	7	3	7	4·8	4	..	..	1	1	1	1
	7. Ileus	4	..	2	7	2	1	5	4	5	2	3·2	3	..	..	1	..	2	..
	8. Intussusception	2	1	2	..	2	..	2	1	2	..	1·2	1	..	..	..	..	1	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism" of "hæmorrhage" and "abscess"

in the THIRD WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 22, 1859	Jan. 21, 1860	Jan. 19, 1861	Jan. 18, 1862	Jan. 17, 1863	Jan. 23, 1864	Jan. 21, 1865	Jan. 20, 1866	Jan. 19, 1867	Jan. 18, 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Jan. 23, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	43·3	39·5	39·5	35·0	38·1	44·5	34·1	46·9	26·0	41·9	38·3	36·6						
	9. Stricture of Intestines	1	2	1	3	1	1	1	2	..	..	1·2	..	..	..	..	..	..	..
	10. Fistula	..	..	..	..	..	..	..	2	..	..	·2	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	6	7	4	12	3	11	10	3	7	5	6·8	6	1	1	1	2	2	..
	12. *Pancreas Disease, &c.*	1	..	..	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	13. Hepatitis	2	2	3	3	3	3	..	9	1	2	2·8	6	..	..	..	3	3	..
	14. Jaundice	4	1	6	3	5	2	3	3	2	3	3·2	1	..	..	..	..	1	..
	15. *Liver Disease, &c.*	7	16	17	10	18	16	18	15	19	17	15·3	17	..	1	4	11	1	..
	16. *Spleen Disease, &c.*	1	..	..	..	..	..	..	1	..	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	..	1	..	4	2	..	1	5	1·3	1	..	..	1	..	..	..
	2. Ischuria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	7	7	5	6	9	9	12	14	10	9	8·8	9	..	..	2	6	1	..
	4. Diabetes	1	2	2	1	3	2	3	1	2	2	1·9	4	..	1	3	..	..	..
	5. Calculus (Stone)	1	..	..	1	..	1	1	..	..	1	·5	..	..	..	..	..	..	..
	6. Cystitis	..	..	..	1	..	2	1	3	1	1	·9	2	..	..	..	..	2	..
	7. *Kidney Disease, &c.*	12	11	7	14	4	12	12	5	7	10	9·4	12	1	1	2	2	4	3
	ORDER 6.																		
	1. Ovarian Dropsy	1	1	1	2	3	1	1	..	..	1	1·1	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	2	4	..	5	2	3	2	7	..	4	2·9	5	..	1	..	3	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	1	..	..	..	..	..	..	..	·1	1	..	..	1	..	..	..
	2. *Joint Disease, &c.*	3	2	2	4	6	10	7	3	4	3	4·4	3	..	1	..	..	2	..
	ORDER 8.																		
	1. Phlegmon	3	2	2	..	..	2	..	2	2	3	1·6	2	..	..	1	..	1	..
	2. Ulcer	2	1	..	2	1	1	..	1	1	..	·9	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	3	2	1	2	..	4	..	..	..	..	1·2	1	1	1	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	16	17	24	14	17	14	25	23	20	26	19·6	23	23	23	..	..	..	..
	2. Cyanosis	..	3	4	2	..	2	1	2	1	1	1·6	1	1	1	..	..	..	..
	3. Spina Bifida	2	1	..	2	..	..	..	3	..	2	1·0	..	..	..	..	..	..	..
	4. Other Malformations	2	1	1	..	2	2	..	2	1	..	1·1	2	2	2	..	..	..	..
	5. Teething	12	11	14	25	20	25	19	18	23	20	18·7	16	16	16	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	2	..	1	..	..	..	..	..	·3	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	6	5	3	8	2	9	5	5	1	4	4·8	8	..	..	7	1	..	..
	ORDER 3.																		
	1. Old Age	49	49	114	57	67	108	68	63	101	67	74·3	81	..	..	..	..	41	40
	ORDER 4.																		
	1. Atrophy and Debility	38	57	55	41	48	68	48	54	72	63	54·4	69	61	61	..	3	5	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	27	12	8	17	12	8	11	27	12	14	14·8	12	1	1	1	8	2	..
	2. Wounds	1	..	1	..	..	1	..	1	..	1	·5	1	1	1	..	..	..	..
	3. Burns and Scalds	12	13	12	11	12	10	9	14	9	11	11·3	7	6	6	1	..	..	..
	4. Poison	2	1	1	3	..	1	2	..	..	2	1·2	2	..	..	2	..	..	..
	5. Drowning	3	2	1	1	3	..	3	12	3	6	3·4	7	..	1	4	1	1	..
	6. Suffocation	5	5	17	6	7	6	4	15	15	17	9·7	8	7	7	..	1	..	..
	7. Otherwise	2	..	3	2	2	2	7	2	5	1	2·6	2	1	1	..	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	5	1	1	3	3	3	4	2	1	1	2·4	3	2	2	1	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	1	..	..	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	..	3	1	..	..	..	3	2	3	1·2	1	..	..	..	1	..	..
	2. Poison	1	2	..	1	..	1	..	..	..	..	·5	1	..	..	1	..	..	..
	3. Drowning	..	..	..	..	..	1	1	..	..	..	·2	..	..	..	..	..	..	..
	4. Hanging	1	4	1	4	1	..	1	3	1	3	1·9	3	..	..	1	1	1	..
	5. Otherwise	..	..	..	1	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	2	·2	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	8	1	5	8	8	4	3	10	1	5	5·3	3	2	2	..	..	1	..
	Causes not specified or ill-defined	1	10	16	45	4	12	23	20	10	6	14·7	4	2	2	2	..	..	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 23d January 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
January.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	17	..	30·026	50·5	39·5	11·0	45·7	45·0	54·5	35·0	43·4	42·4	0·7	2·0	0·0	+ 9·1	97	SSW.	SW&WSW.	2·9	0·0	0·4	292	0·12	4
Monday. .	18	..	30·255	46·7	35·1	11·6	40·2	39·8	68·6	34·7	43·4	42·4	0·4	3·6	0·0	+ 3·5	98	WSW.	Calm & SSE.	0·0	0·0	0·0	74	0·01	0
Tuesday .	19	In Equator	30·338	41·6	30·0	11·6	36·1	35·7	43·7	28·0	42·9	42·2	0·4	3·1	0·0	— 0·8	98	SSE.	SSE.	0·3	0·0	0·0	141	0·00	1
Wednesday	20	..	30·205	42·6	29·3	13·3	35·5	31·5	66·7	26·6	42·4	40·7	4·0	7·9	1·5	— 1·5	85	Calm	S.	0·1	0·0	0·0	108	0·00	1
Thursday.	21	First Quarter	30·057	39·0	30·8	8·2	35·0	33·6	42·8	26·2	43·4	42·4	1·4	3·6	0·0	— 2·2	95	S.	ESE.	0·0	0·0	0·0	101	0·00	0
Friday . .	22	..	30·189	38·8	29·7	9·1	33·6	27·8	67·7	25·7	41·9	41·4	5·8	8·3	3·6	— 3·8	79	ESE.	E. & SE.	0·4	0·0	0·0	131	0·00	2
Saturday.	23	..	30·009	32·0	28·1	3·9	29·8	16·9	37·6	26·2	41·1	39·3	12·9	17·1	4·3	— 7·9	56	SE.	SE.	0·4	0·0	0·0	181	0·00	3
Means . .		..	30·154	41·6	31·8	9·8	36·6	32·9	54·5	28·9	42·6	41·5	3·7	6·5	1·3	— 0·5	87	SE.		..	..	..	Sum 1028	Sum 0·13	1·6
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. January.		Electricity.	Sky and Atmosphere.
Sunday .	17	No electricity was shown, except on Thursday night, when weak positive was shown.	Overcast throughout the morning, and rain fell frequently; fine after 1h. P.M.; partially cloudy during the afternoon; cloudless at night.
Monday .	18		Partially cloudy. Slight rain fell in the early morning hours, and fog prevailed generally throughout the day.
Tuesday .	19		Generally overcast with thin cloud till evening; partially clear at night.
Wednesday	20		Fine; partially cloudy. Lunar halo.
Thursday .	21		Generally cloudy till the afternoon; cloudless, but hazy at night. Slight hoar frost.
Friday .	22		Partially cloudy.
Saturday .	23		Generally overcast. The atmosphere was very dry, and the mean degree of humidity for the day was 56.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30·05 in. at the beginning of the week to 30·00 in. by noon on the 17th; increased to 30·35 in. by 9h. A.M. on the 19th; decreased to 30·04 in. by 3h. P.M. on the 21st; increased to 30·20 in. by 3h. P.M. on the 22d; and decreased to 29·93 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.



By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 4. 1869. Vol. XXX.] Week ending Saturday, January 30. [Price 1*d.*

General Register Office, Somerset House,
1st February 1869.

In the week that ended on Saturday, 30th January, 4774 births, and 3790 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 30 per 1000 persons living.

The annual rate of mortality last week was 29 per 1000 in London, 33 in Edinburgh, and 32 in Dublin; 31 in Bristol, 24 in Birmingham, 33 in Liverpool, 33 in Manchester, 30 in Salford, 25 in Sheffield, 26 in Bradford, 32 in Leeds, 25 in Hull, 31 in Newcastle-upon-Tyne, and 42 in Glasgow. The rate in Vienna was 32 per 1000 during the week ending the 23d ult., and in Berlin 35 per 1000 during the seven days ending the 28th ult.

The mean temperature of each of the first 18 days of January showed an average excess of more than 6° upon the average of 50 years. On the 19th the mean temperature fell below the average, and on that and the six following days there was an average defect of nearly 4°. It is interesting to observe the influence of these seven cold days upon the mortality in the large towns. The deaths registered in the 14 large towns of the United Kingdom showed an increase of only 109 in the week ending 23d, including the first five cold days, but in the week ending last Saturday, 30th January, the increase was 457. Thus the deaths in the second fortnight in January were raised 9 per cent. above those of the first two weeks, a result almost entirely due to the seven days of low temperature. The return for the week ending 6th instant will also doubtless record a considerable further number of deaths due to the same cause. In London the increase of deaths referred to diseases of the respiratory organs, including phthisis, in the last two weeks of January upon those in the first two weeks, was 19 per cent. In Liverpool the deaths resulting from this class of diseases in the second half of January showed an increase of 32 per cent. upon those in the first two weeks.

In London the births of 1153 boys and 1107 girls, in all 2260 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2268.

The deaths registered in London during the week were 1737. It was the fourth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1719. The deaths in the present return exceed by 18 the estimated amount, and exceed by 159 the number recorded in the preceding week.

The deaths from zymotic diseases were 339, the corrected average number being 348. Five deaths from small-pox, 26 from measles, 53 from scarlet fever, 6 from diphtheria, 85 from whooping-cough, 24 from typhus fever, 30 from enteric fever, 15 from simple continued fever, and 12 from diarrhœa were registered.

The mortality from scarlet fever is declining; during the last six weeks the deaths were 400, in the six preceding weeks 648 cases were recorded. Whooping-cough exhibits a great increase of fatal cases registered, 343 deaths having occurred during the last six weeks, in the six preceding weeks the number was 207. Twenty-two cases were registered last week in excess of the number in the previous week ending 23d January. The deaths from typhus fever exhibit an increase of 9, enteric fever 8, and simple continued fever 6, on the numbers returned in the preceding week.

One hundred and ninety-four deaths occurred from phthisis, 293 from bronchitis, and 100 from pneumonia. The corrected average number of deaths from phthisis

is 181, from bronchitis 275, and from pneumonia 112. In the preceding week which ended 23d January, the deaths from these diseases were 198, 249, and 89 respectively.

The deaths of 2 persons from delirium tremens, of 8 infants and one adult from syphilis, of 7 children and 4 adults from burns or scalds, of 3 persons from drowning, of 8 infants and 2 adults from suffocation, of 3 persons who committed suicide, and of 8 persons who were killed by horses or vehicles in the streets were registered.

The deaths of 14 nonagenarians were recorded, and the widow of a carman died on 28th January, at 6 Calder-row, Brixton hill, at the age (as stated) of 104 years.

It may be of interest to state that the causes of 98 in every 100 deaths are now medically certified in London. In the previous week 1468 were certified by the medical attendants, 84 by the coroners; while 26 were not certified, 4 having died, as is explicitly stated, without medical attendance in their last illness. The proportions certified ten years ago were rather lower; they were 97 in 100.

The waters supplied by the Metropolitan Companies during the month of January contained (according to Professor Frankland's analysis) in 100,000 tons, foreign solid matters amounting to 28 tons in the Chelsea water, 29 in the West Middlesex, 31 in the Southwark and Vauxhall, 29 in the Grand Junction, 28 in the Lambeth, 31 in the New River, 35 in the East London, and 41 in the Kent. 100,000 tons of the Chelsea water contained 20 tons, the West Middlesex 22 tons, the Southwark and Vauxhall 20 tons, the Grand Junction 21 tons, the Lambeth 18 tons, the New River 22 tons, the East London 23 tons, and the Kent 29 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

Professor Frankland remarks: "The waters of the Southwark and Lambeth "Companies were very turbid, those of the Grand Junction and Chelsea Com- "panies slightly so; the sample drawn from the main of the East London "Company contained much brown suspended matter, whilst the waters supplied "by the West Middlesex, New River, and Kent Companies were perfectly clear "and transparent.

"All the waters derived from the Thames were highly charged with nitrogenous "organic matter. The organic nitrogen in the Southwark Company's water ex- "ceeded by 29 per cent. the maximum amount hitherto observed in any sample of "Thames water delivered in London. On this account, as well as by reason of its "great turbidity, the water was quite unfit for domestic use: it also contained an "exceptionally large amount of ammonia. On account of its excessive turbidity, "the Lambeth Company's water was also unfit for human consumption, without "previous filtration."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·525 in. The barometrical reading decreased from 30·02 in. on Sunday, 24th January, to 28·92 in. on Friday, 29th January. The mean temperature of the air in the week was 40·7°, which is 2·5° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 54·0° on Thursday, 28th January. The lowest night temperature was 26·3° on Sunday, 24th January. The entire range of temperature in the week was, therefore, 27·7°. The mean of the highest temperatures of the water of the Thames was 38·6°; that of the lowest was 36·6°. The difference between the mean dew-point temperature and air temperature was 6·7°. The mean degree of humidity of the air was 77, complete saturation being represented by 100. Rain fell to the amount of 1·03 in., of which 0·23 in. fell on Thursday, 28th, and 0·70 in. on Friday, 29th January. The general direction of the wind was S.S.W. and S.W. According to a return furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness, was 243,797 cubic metres.

Royal College of Chemistry,
29th January 1869.

Sir,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of January. For the purpose of comparison I append also the results obtained from the waters supplied to the towns of Edinburgh, Glasgow, Newcastle, Manchester, Preston, and Lancaster, when submitted to the same analytical processes.

The waters of the Southwark and Lambeth Companies were very turbid, those of the Grand Junction and Chelsea Companies slightly so; the sample drawn from the main of the East London Company contained much brown suspended matter, whilst the waters supplied by the West Middlesex, New River, and Kent Companies were perfectly clear and transparent.

All the waters derived from the Thames were highly charged with nitrogenous organic matter. The organic nitrogen in the Southwark Company's water exceeded by 29 per cent. the maximum amount hitherto observed in any sample of Thames water delivered in London. On this account, as well as by reason of its great turbidity, the water was quite unfit for domestic use: it also contained an exceptionally large amount of ammonia. On account of its excessive turbidity, the Lambeth Company's water was also unfit for human consumption, without previous filtration.

I have, &c.
E. FRANKLAND.

The Registrar General,
&c. &c. &c.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	8th January, Cab Rank, Horse Guards	9·4	28·02	·458	·044	·001	·364	·409	3330	1·886	19·81
West Middlesex	8th January, Cab Rank, Portland-road	7·3	29·02	·377	·046	·002	·362	·410	3320	1·886	21·65
Southwark and Vauxhall	8th January, Cab Rank, St. George's Church, Borough	8·3	30·84	·515	·080	·006	·337	·422	3100	1·886	20·11
Grand Junction	8th January, Cab Rank, Woodstock-st.	8·3	29·46	·384	·058	·002	·340	·400	3100	1·986	21·35
Lambeth	8th January, Cab Rank, Lambeth-road	7·8	28·02	·414	·043	·002	·352	·397	3220	1·837	18·34
OTHER SOURCES.											
New River	8th January, Cab Rank, Tottenham-court-road	7·2	30·7	·263	·036	·001	·464	·501	4330	1·688	21·65
East London	9th January, Slater's Lamp Black Works, Old Ford-road	9·4	35·0	·310	·036	·002	·578	·616	5480	2·085	23·05
Kent	8th January, Deptfd. Bdge, Police Stat.	11·7	41·0	·077	·013	·001	·399	·413	3680	2·433	29·26
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July, Glasgow		3·0	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June, Manchester		6·2	·183	·009	·006	·025	·039	0	1·117	3·7
Preston	August, Preston		12·44	·236	·031	·006	·000	·036	0	1·590	8·9
Lancaster	November, Lancaster.		4·58	·129	·022	·001	·000	·023	0	·990	0·9
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 8th January at the Horse Guards cab rank had a temperature of 9·4° C.; 100,000 lbs. of it contained 28·02 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·458 lb. of carbon and ·044 lb. of nitrogen. This solid impurity also contained ·364 lb. of nitrogen in the form of nitrates and nitrites, besides ·001 lb. of ammonia, whilst the total amount of *combined* nitrogen in every form was ·409 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 3330 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. Finally, 100,000 lbs. of the Chelsea Company's water contained 19·81 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Fourth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1980	2067	1978	1801	2086	2107	1894	2149	2237	2323	2062·2	2260
Males . .	1013	1089	1034	900	1079	1044	964	1090	1160	1157	1053·0	1153
Females .	967	978	944	901	1007	1063	930	1059	1077	1166	1009·2	1107
Total Deaths	1329	1386	1783	1569	1426	1749	1747	1363	1880	1395	1562·7	1737
Males . .	670	703	909	768	692	873	913	674	956	717	787·5	874
Females .	659	683	874	801	734	876	834	689	924	678	775·2	863

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Nov. 7.	Nov. 14.	Nov. 21.	Nov. 28.	Dec. 5.	Dec. 12.	Dec. 19.	Dec. 26.	Jan. 2.	Jan. 9.	Jan. 16.	Jan. 23.	Jan. 30.
Deaths - - - -	1387	1506	1507	1561	1672	1486	1558	1262	1629	1501	1490	1578	1737
Deaths under 20 years of age	691	768	740	746	816	743	763	599	770	740	716	721	724
Deaths 20—40 - - -	222	214	187	234	215	205	261	201	221	219	210	220	222
Deaths 40—60 - - -	203	252	266	231	268	211	228	216	296	217	243	268	323
Deaths at 60 years of age and upwards - - -	271	272	314	350	373	327	306	246	342	325	321	369	468
Deaths from Small-pox - -	1	8	3	3	8	..	5	6	7	6	3	10	5
,, ,, Measles - -	32	38	12	39	31	34	33	17	35	24	20	28	26
,, ,, Scarlet Fever -	119	116	118	99	107	103	100	67	83	69	64	64	53
,, ,, Diphtheria -	8	8	15	13	9	15	17	8	10	8	8	5	6
,, ,, Whooping-cough	28	27	31	30	46	43	30	33	49	62	51	63	85
,, ,, Fever - -	54	58	55	59	59	62	61	54	56	60	59	46	69
,, ,, Diarrhœa - -	19	14	9	12	11	7	11	10	9	12	12	16	12
,, ,, Phthisis - -	176	165	166	192	187	125	166	136	188	153	158	198	194
,, ,, Bronchitis - -	163	166	223	217	270	194	190	147	196	213	197	249	293
,, ,, Pneumonia -	88	109	112	110	121	122	117	82	98	112	100	89	100
,, ,, Heart Disease -	54	77	83	64	89	67	75	61	85	64	92	81	95
Mean Temperature of the Air	43°·9	40°·7	39°·8	42°·5	45°·6	47°·6	47°·5	44°·2	41°·0	45°·7	40°·4	36°·6	40°·7
Mean Temperature of the Water of the Thames -	46·4	42·9	41·6	42·6	42·8	45·3	45·6	43·8	40·5	40·3	42·9	42·0	37·6
Humidity of the Air - -	83	85	84	92	91	87	90	89	89	92	94	87	77
Rain-fall in inches - -	0·18	0·06	0·04	0·83	0·31	1·30	0·92	1·57	1·53	1·15	0·23	0·13	1·03

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of South-west (London City) was not received when the Tables were under preparation, but an average of 3, derived from the returns of six previous weeks, is substituted for the true number, which is 1.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 30th day of January 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 30th Jan.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 30th Jan.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4774**	**3244**	**3790**	**54·2**	**23·0**	**39·9**	**0·84**	**85**	**12·33**	**−5·00**	**4·39**	**213**
London (Metropolis)	3,170,754	40·7	2070	2260	1462	1737	54·0	26·3	40·7	1·03	104	12·22	−3·16	4·83	262
Bristol (City)	169,423	36·1	109	143	76	101 *	..	..	..	..	..	..	..	..	..
Birmingham (Borough)	360,846	46·1	283	249	175	164	54·2	25·4	40·3	1·06	107	12·33	−3·67	4·61	269
Liverpool (Borough)	509,052	99·7	345	380	295	322	..	..	..	..	..	..	..	..	..
Manchester (City)	370,892	82·7	277	255	210	235 *	53·0	27·0	40·3	0·96	97	11·67	−2·78	4·61	244
Salford (Borough)	119,350	23·1	89	103	60	68	52·6	27·0	40·8	0·74	75	11·45	−2·78	4·89	188
Sheffield (Borough)	239,752	10·5	196	197	126	116	54·0	27·0	40·0	1·04	105	12·22	−2·78	4·44	264
Bradford (Borough)	138,522	21·0	105	92	71	70	..	..	..	..	..	..	..	..	..
Leeds (Borough)	253,110	11·7	189	182	129	153	54·0	29·0	41·1	0·58	59	12·22	−1·67	5·06	147
Hull (Borough)	126,682	35·6	83	79	59	61	49·0	23·0	36·8	0·96	97	9·44	−5·00	2·67	244
Newcastle-on-Tyne (Borough)	130,503	24·5	90	118	69	77	48·0	24·0	37·7	0·37	37	8·89	−4·44	3·17	94
Edinburgh (City)	178,002	40·2	112	123	86	114	48·7	26·0	38·2	0·50	51	9·28	−3·33	3·44	127
Glasgow (City)	458,937	90·6	374	361	268	373	52·1	28·6	40·1	1·11	112	11·17	−1·88	4·50	282
Dublin (City and some suburbs)	320,762	32·9	219	232	158	199	53·2	27·0	43·0	0·93	94	11·78	−2·78	6·11	236
				Week ending 23d Jan. 1869.		Week ending 23d Jan. 1869.	Week ending 23d January 1869.					Week ending 23d January 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	345	..	..	14·9	..	..	..	..	−9·50	..
				Week ending 28th Jan. 1869.		Week ending 28th Jan. 1869.	Week ending 28th January 1869.					Week ending 28th January 1869.			
Berlin (City)	(1867) 702,437	..	..	662	..	479	..	..	25·5	..	..	..	..	−3·63	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 30th January, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2260	1737	5	26	53	6	85	69	12
WEST DISTRICTS -	333	290	-	1	10	-	13	10	3
NORTH DISTRICTS -	480	384	2	7	11	-	19	26	3
CENTRAL DISTRICTS	234	214	1	1	6	-	11	6	2
EAST DISTRICTS -	489	363	-	8	15	2	18	17	1
SOUTH DISTRICTS -	724	486	2	9	11	4	24	10	3
WEST DISTRICTS.									
St. Mary Paddington *WH*	37	23	-	1	-	-	3	-	-
St. John Paddington H	17	27	-	-	-	-	3	2	-
Kensington Town *W* -	60	34	-	-	4	-	-	-	1
Brompton H - -	18	14	-	-	1	-	-	-	-
St. Peter Hammersmith	2	2	-	-	-	-	-	1	-
St. Paul Hammersmith	33	18	-	-	-	-	-	-	-
Fulham *W* - - -	12	10	-	-	-	-	-	-	-
Chelsea South H - -	18	18	-	-	1	-	1	-	-
ChelseaNorth-west H*Ww*	10	28	-	-	-	-	1	1	-
Chelsea North-east -	8	8	-	-	-	-	-	-	-
Hanover Square - -	7	7	-	-	-	-	-	-	-
May Fair *W* - -	9	3	-	-	-	-	-	-	-
Belgrave H - - -	32	25	-	-	1	-	2	-	1
St. John Westminster -	22	14	-	-	1	-	-	1	-
St. Margaret West. *WH*	15	22	-	-	-	-	-	2	1
St. James's Square -	5	2	-	-	-	-	-	-	-
Golden Square *W* -	10	18	-	-	-	-	2	1	-
Berwick Street - -	6	6	-	-	-	-	-	1	-
St. Anne Soho - -	12	11	-	-	2	-	1	1	-
NORTH DISTRICTS.									
All Souls Marylebone H	21	24	-	1	-	-	1	-	-
Cavendish Square - -	5	5	-	-	-	-	-	-	-
Rectory Marylebone *W*	16	20	-	-	-	-	2	-	-
St. Mary Marylebone -	22	6	-	-	-	-	1	-	-
Christchurch Marylebone	26	26	1	-	1	-	1	-	-
St. John Marylebone -	22	21	-	-	-	-	1	2	-
Hampstead *W* - -	10	9	-	-	-	-	-	-	-
Regent's Park Pancras -	22	17	-	1	2	-	-	-	-
Tottenham-court *w*H -	10	28	-	1	1	-	-	-	1
Gray's Inn Lane H -	17	9	-	-	-	-	-	1	-
Somers Town - -	24	20	-	-	-	-	2	1	-
Camden Town *W* -	13	15	-	-	-	-	-	-	-
Kentish Town - -	52	22	-	-	3	-	1	-	-
Islington West* *WHH*	81	67	1	3	2	-	4	17	1
Islington East *Ww* -	74	37	-	-	-	-	3	2	1
Stoke Newington - -	6	1	-	-	-	-	-	-	-
Stamford Hill - -	1	2	-	-	-	-	-	-	-
West Hackney - -	10	10	-	-	-	-	1	-	-
Hackney *WHw* - -	29	29	-	1	2	-	-	3	-
South Hackney L -	19	16	-	-	-	-	2	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	9	8	-	-	1	-	-	-	-
St. Giles South *W* -	28	23	-	-	-	-	1	-	1
St. Giles North - -	11	6	-	-	-	-	-	-	-
Long Acre - - -	7	7	-	-	-	-	1	-	-
Charing Cross *WH* -	9	6	-	-	-	-	-	-	-
St. Mary-le-Strand -	8	4	-	-	-	-	-	-	-
St. Clement Danes H -	7	8	-	-	1	-	-	-	-
St. George-the-Martyr H	16	14	-	-	-	-	-	1	-
St. Andrew, East Holb. *W*	3	12	-	-	1	-	-	1	-
Saffron Hill - - -	7	3	-	-	-	-	-	-	-
St. James Clerkenwell *W*	14	12	-	-	1	-	-	-	1
Amwell Clerkenwell -	4	4	-	-	-	-	-	-	-
Pentonville - - -	12	4	-	-	-	-	-	1	-
Goswell-street - -	14	8	-	-	-	-	-	-	-
Old-street - - -	6	4	1	-	-	-	-	-	-
City-road HL - -	17	15	-	-	-	-	1	-	-
Whitecross-street - -	10	10	-	-	-	-	-	1	-
Finsbury - - -	6	7	-	-	1	-	2	-	-
St. Botolph East London	9	9	-	1	-	-	3	-	-
Cripplegate - - -	7	6	-	-	-	-	-	-	-
West London North *WH*	4	21	-	-	-	-	1	2	-
West London South -	7	4	-	-	-	-	-	-	-
London City South-west	1	3	-	-	-	-	-	-	-
London City North-west	6	2	-	-	-	-	-	-	-
London City South -	1	3	-	-	-	-	1	-	-
London City South-east	6	3	-	-	-	-	-	-	-
London City North-east	5	8	-	-	1	-	1	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	6	4	-	-	1	-	-	-	-
St. Leonard Shrdtch. L†	7	4	-	-	-	-	-	-	-
Hoxton New Town *w* -	19	25	-	-	-	-	-	1	-
Hoxton Old Town - -	22	12	-	-	-	-	1	-	-
Haggerstone West *W* -	19	17	-	-	-	-	-	-	-
Haggerstone East - -	13	6	-	-	2	-	-	1	-
Hackney-road - -	27	16	-	1	1	-	5	1	-
Green, Bthnl.Grn. *WH*L†	37	29	-	-	1	-	2	1	1
Church, Bethnal Green	26	14	-	-	-	-	1	1	-
Town, Bethnal Green -	14	15	-	1	1	-	1	1	-
Artillery Whitechapel -	6	6	-	1	-	-	-	1	-
Spitalfields - - -	9	7	-	2	-	-	1	-	-
Mile End New Town *W*	9	13	-	-	1	-	1	2	-
Whitechapel North -	6	7	-	-	-	1	-	-	-
Whitechapel Church H	8	18	-	-	-	-	1	-	-
Goodman's Fields - -	8	5	-	-	-	-	-	-	-
Aldgate - - - -	5	5	-	-	-	-	-	-	-
St. Mary St. Geo. East -	24	16	-	-	1	-	1	1	-
St. Paul St. Geo. East -	16	12	-	-	-	-	-	1	-
St. John St. Geo. East *W*	2	6	-	1	-	-	-	-	-
Shadwell *W* - - -	6	6	-	1	-	-	-	1	-
Ratcliff *W* - - -	9	8	-	-	1	1	-	-	-
Limehouse *W* - -	29	7	-	-	1	-	-	1	-
Mile End Old Town, West	34	19	-	-	1	-	2	1	-
Mile End Old T., East *Ww*	35	27	-	-	1	-	-	2	-
Bow *ww*L† - - -	48	43	-	-	3	-	1	1	-
Poplar *W* - - -	45	16	-	1	-	-	1	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	13	15	-	-	2	-	-	-	1
St. Saviour Southwark H	7	12	1	-	-	-	-	-	-
St. Olave Southwark H	5	9	-	-	-	-	-	-	-
St. John Horsleydown *W*	16	9	-	-	-	-	1	-	1
St. James Bermondsey -	36	16	-	1	-	-	2	1	-
St. Mary Magdalen *W*	16	8	-	-	2	-	-	-	-
Leather Market - -	16	8	-	-	-	-	1	2	-
Kent-road - - -	7	10	-	-	1	-	-	-	-
Borough-road *W* - -	16	14	-	-	-	-	1	-	-
London-road L - -	16	12	-	-	-	-	-	-	-
Trinity Newington -	15	12	-	-	1	-	1	-	-
St. Peter Walworth *W*	31	21	-	-	-	-	2	-	-
St. Mary Newington H -	15	6	-	-	-	-	1	-	-
Waterloo-road 1st - -	20	5	-	-	-	-	-	-	-
Waterloo-road 2nd -	29	2	-	-	-	-	-	-	-
Lambeth Church 1st -	15	9	-	-	-	-	-	-	-
Lambeth Church 2nd *W*	25	29	-	-	-	-	1	-	-
Kennington 1st - -	29	25	-	-	1	-	1	-	-
Kennington 2nd - -	22	13	-	1	1	-	2	1	-
Brixton - - - -	20	10	-	1	1	-	1	2	-
Norwood *W* - - -	10	7	-	1	-	-	1	-	-
Clapham - - -	13	10	1	-	-	-	-	-	-
Battersea *Ww* - -	46	28	-	-	-	-	-	-	1
Wandsworth L - -	12	12	-	1	-	-	-	-	-
Putney - - - -	2	1	-	-	-	-	-	-	-
Streatham - - -	8	10	-	-	-	2	-	-	-
Dulwich - - -	-	1	-	-	-	-	-	-	-
Camberwell *WL*†L† -	20	26	-	-	1	-	2	-	-
Peckham - - -	25	16	-	-	-	-	1	-	-
St. George Camberwell -	27	13	-	-	-	-	2	1	-
Rotherhithe *W* - -	17	13	-	-	-	1	-	-	-
St. Paul Deptford - -	42	22	-	-	-	-	2	1	-
St. Nicholas Deptford -	2	4	-	-	1	-	-	-	-
Greenwich West H -	16	7	-	-	-	-	1	1	-
Greenwich East *WH* -	16	21	-	-	-	-	1	1	-
Eltham - - - -	-	1	-	-	-	-	-	-	-
Lee - - - -	15	8	-	2	-	1	-	-	-
Lewisham Village *W* -	9	5	-	-	-	-	-	-	-
Sydenham - - -	13	9	-	-	-	-	-	-	-
Charlton H - - -	4	3	-	1	-	-	-	-	-
Woolwich Dockyard H	14	8	-	-	-	-	-	-	-
Woolwich Arsenal H -	18	8	-	-	-	-	-	-	-
Plumstead, West - -	10	5	-	1	-	-	-	-	-
Plumstead, East - -	16	3	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-dist.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-dist.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-dist.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

Deaths in London, from All Causes, Registered in the Fourth Week of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 29 1859	Jan. 28 1860	Jan. 26 1861	Jan. 25 1862	Jan. 24 1863	Jan. 30 1864	Jan. 28 1865	Jan. 27 1866	Jan. 26 1867	Jan. 25 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, January 30, 1869. Deaths of Persons of the Ages ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	43°·7	38°·4	41°·0	36°·1	43°·8	39°·6	31°·7	43°·1	37°·2	37°·4	39°·2	Mean Temp. 40°·7						
	ALL CAUSES . . .	1329	1386	1783	1569	1426	1749	1747	1363	1880	1395	1562·7	1737†	614	722	221	323	373	95
	SPECIFIED CAUSES .	1301	1371	1777	1537	1412	1703	1736	1353	1865	1393	1544·8	1727	609	716	221	323	372	95
	(Classes.)																		
I.	ZYMOTIC DISEASES .	331	251	331	347	367	327	359	293	312	249	316·7	339	210	263	34	25	16	1
II.	CONSTITUTIONAL „ .	218	231	269	272	232	283	293	274	313	239	262·4	310	58	75	109	88	37	1
III.	LOCAL „ .	569	674	894	662	626	858	856	587	955	683	736·4	845	245	274	70	193	265	43
IV.	DEVELOPMENTAL „ .	152	156	211	205	143	191	186	162	227	175	180·8	186	80	80	4	5	50	47
V.	VIOLENT DEATHS . .	31	59	72	51	44	44	42	37	58	47	48·5	47	16	24	4	12	4	3
	(Orders.)																		
I.	1. Miasmatic Diseases .	311	221	306	327	310	306	334	261	288	227	292·1	311	187	239	32	23	16	1
	2. Enthetic „ .	9	11	7	7	10	7	10	11	9	7	8·8	9	8	8	..	1	..	..
	3. Dietic „ .	4	17	16	11	13	14	12	20	14	12	13·3	14	10	11	2	1	..	..
	4. Parasitic „ .	7	2	2	2	4	..	3	1	1	3	2·5	5	5	5	..	..	..	..
II.	1. Diathetic „ .	43	47	45	49	46	47	41	47	51	52	46·8	57	3	5	6	21	24	1
	2. Tubercular „ .	175	184	224	223	186	236	252	227	262	187	215·6	253	55	70	103	67	13	..
III.	1. Diseases of Nervous System .	153	139	175	156	158	173	183	150	199	169	165·5	178	77	82	10	25	51	10
	2. „ of Organs of Circulation .	59	65	91	86	62	64	91	62	86	70	73·6	99	..	8	14	26	46	5
	3. „ of Respiratory Organs .	271	368	545	338	315	540	472	283	555	345	403·2	455	160	170	24	93	143	25
	4. „ of Digestive Organs . .	50	62	51	54	52	54	57	61	66	50	55·7	60	6	7	11	25	15	2
	5. „ of Urinary Organs . .	17	24	22	15	22	14	27	20	35	31	22·7	36	2	4	7	17	7	1
	6. „ of Organs of Generation .	8	3	1	6	7	4	3	1	5	7	4·5	6	..	..	..	5	1	..
	7. „ of Organs of Locomotion .	4	7	4	3	4	6	13	4	5	5	5·5	7	..	2	3	1	1	..
	8. „ of Integumentary System .	7	6	5	4	6	3	10	6	4	6	5·7	4	..	1	1	1	1	..
IV.	1. Dev. Diseases of Children	43	24	58	49	41	40	47	38	56	38	43·4	38	38	38	..	..	..	..
	2. „ of Adults .	6	10	1	4	4	7	5	14	9	8	6·8	4	..	..	2	2	..	..
	3. „ of Old People	59	55	85	99	42	94	76	46	92	58	70·6	83	..	..	..	..	36	47
	4. Diseases of Nutrition .	44	67	67	53	56	50	58	64	70	71	60·0	61	42	42	2	3	14	..
V.	1 Accident or Negligence .	27	50	64	45	42	35	38	31	55	37	42·4	42	16	23	3	10	3	3
	3. Homicide	1	4	2	1	..	1	2	2	1	5	1·9	..	..	..	..	..	..	..
	4. Suicide	3	5	6	5	2	8	2	4	2	2	3·9	3	..	..	1	1	1	..
	5. Execution	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths not classed	..	..	..	..	..	..	..	..	..	3	·3	2	..	1	..	1	..	..
	Sudden Deaths, cause unascertained	7	3	3	7	7	3	2	5	2	1	4·0	..	..	..	..	..	..	..
	Causes not specified . .	21	12	3	25	7	43	9	5	13	1	13·9	10†	5	6	..	..	1	..

* Order 2., comprising Violent Deaths in Battle, is omitted as inapplicable to the civil population.
† An average of 3 is added, without distinction of ages. See note *, page 26.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 29 1859	Jan. 28 1860	Jan. 26 1861	Jan. 25 1862	Jan. 24 1863	Jan. 30 1864	Jan. 28 1865	Jan. 27 1866	Jan. 26 1867	Jan. 25 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, January 30, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	43°·7	38°·4	41°·0	36°·1	43°·8	39°·6	31°·7	43°·1	37°·2	37°·4	39°·2	Mean Temp. 40°·7						
I.	ORDER 1.																		
	1. Small-pox	15	26	6	1	17	12	14	15	50	21	17·7	5	3	4	1	..	..	..
	2. Measles	24	19	37	18	53	23	26	43	19	42	30·4	26	22	26	..	..	..	..
	3. Scarlet Fever (Scarlatina)	113	33	34	60	63	53	57	37	36	22	60·0	53	37	53	..	..	..	..
	4. Diphtheria		11	12	6	12	11	17	10	8	5		6	4	6	..	..	..	..
	5. Quinsy	2	3	1	..	2	..	..	4	..	2	1·4	1	..	..	1	..	..	..
	6. Croup	7	9	16	19	14	14	19	16	15	17	14·6	20	19	20	..	..	..	..
	7. Whooping-cough	62	50	108	86	66	82	81	47	79	52	71·3	85	79	85	..	..	..	..
	8. Typhus	45	35	40	94	71	63	76	56	46	31	55·7	24	2	2	10	7	5	..
	— Enteric Fever												30	5	18	6	2	4	..
	— Simple continued Fever												15	4	8	2	3	1	1
	9. Erysipelas	8	3	10	7	8	8	11	9	5	8	7·7	10	4	5	2	2	1	..
	10. Puerperal Fever (Metria)	7	1	3	4	5	3	3	3	5	7	4·1	4	..	..	3	1	..	..
	11. Carbuncle	..	..	2	3	2	4	1	1	1	..	1·4	..	..	..	..	..	..	..
	12. Influenza	..	6	4	3	3	5	2	1	2	..	2·6	2	1	1	..	..	1	..
	13. Dysentery	2	1	3	1	1	..	1	1	1	1	1·2	..	..	..	..	..	..	..
	14. Diarrhœa	18	12	18	14	13	20	7	12	13	13	14·0	12	7	7	..	2	3	..
	15. Simple Cholera	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	16. Ague	..	..	..	2	..	1	1	..	..	1	·5	..	..	..	..	..	..	..
	17. Remittent Fever	1	2	2	2	1	..	1	1	..	..	1·0	1	..	1	..	..	..	..
	18. Rheumatism	7	10	10	7	9	7	17	3	6	5	8·1	16	..	3	6	6	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	1	2	..	·3	1	..	..	1	..	..	..
	ORDER 2.																		
	1. Syphilis	8	9	6	6	10	6	9	10	8	6	7·8	9	8	8	..	1	..	..
	2. Stricture of Urethra	1	2	1	1	..	1	..	..	1	1	·8	..	..	..	..	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	1	1	..	..	·2	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	2	..	2	1	..	1	..	2	..	·9	..	..	..	..	..	..	..
	2. Want of Breast-milk	1	10	10	6	6	10	6	12	7	5	7·3	10	10	10	..	..	..	..
	3. Purpura and Scurvy	..	1	2	..	1	2	3	..	3	2	1·4	2	..	1	1	..	..	..
	4. Alcoholism *a* Del. Tremens	1	1	..	1	1	2	2	3	2	2	1·5	2	..	..	1	1	..	..
	4. Alcoholism *b* Intemperance	1	3	4	2	4	..	..	5	..	3	2·2	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	7	2	2	2	4	..	3	1	1	3	2·5	5	5	5	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	4	3	1	2	..	1	2	..	4	1·8	4	..	..	..	..	4	..
	2. Dropsy	16	9	18	12	16	10	19	16	13	8	13·7	17	2	4	1	4	7	1
	3. Cancer	23	29	17	29	19	32	17	24	33	35	25·8	31	..	..	5	16	10	..
	4. Cancrum Oris (Noma)	..	1	..	..	..	..	1	..	1	..	·3	..	..	..	..	..	..	..
	5. Mortification	3	4	7	7	9	5	3	5	4	5	5·2	5	1	1	..	1	3	..
	ORDER 2.																		
	1. Scrofula	6	9	7	11	5	13	6	14	5	2	7·8	12	2	7	1	1	3	..
	2. Tabes Mesenterica	11	12	15	9	14	22	14	12	18	14	14·1	13	12	12	..	1	..	..
	3. Phthisis	131	137	171	177	131	170	203	169	203	157	164·9	194	10	17	102	65	10	..
	4. Hydrocephalus	27	26	31	26	36	31	29	32	36	14	28·8	34	31	34	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	13	11	13	7	16	12	17	9	18	16	13·2	11	8	10	1	..	..	..
	2. Apoplexy	34	24	32	45	34	31	33	29	44	40	34·6	46	4	4	3	14	21	4
	3. Paralysis	34	31	37	32	26	38	43	34	50	40	36·5	37	..	1	2	8	21	5
	4. Insanity	5	..	..	1	2	2	1	1	2	1	1·5	1	..	..	..	..	..	1
	5. Chorea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	6. Epilepsy	10	18	11	9	9	2	10	5	8	6	8·8	7	1	2	2	2	1	..
	7. Convulsions	38	40	61	42	52	70	55	52	52	44	50·6	60	60	60	..	..	..	..
	8. *Brain Disease, &c.*	19	15	21	20	19	18	24	20	25	22	20·3	16	4	5	2	1	8	..
	ORDER 2.																		
	1. Pericarditis	2	2	2	2	1	1	3	1	3	2	1·9	1	..	1	..	..	..	..
	2. Aneurism	2	5	3	1	1	1	2	4	3	2	2·4	3	..	..	..	2	1	..
	3. *Heart Disease, &c.*	55	58	86	83	60	62	86	57	80	66	69·3	95	..	7	14	24	45	5
	ORDER 3.																		
	1. Laryngitis	9	5	10	7	7	8	9	6	8	12	8·1	5	3	3	..	2	..	..
	2. Bronchitis	136	202	354	188	185	339	316	171	399	206	249·6	293	82	85	10	61	116	21
	3. Pleurisy	3	3	11	4	3	3	1	4	2	2	3·6	4	..	..	3	..	1	..
	4. Pneumonia	95	127	117	98	87	134	93	82	95	89	101·7	100	64	69	10	14	6	1
	5. Asthma	18	20	46	25	15	38	30	9	34	12	24·7	30	..	..	..	13	16	1
	6. *Lung Disease, &c.*	10	11	7	16	18	18	23	11	17	24	15·5	23	11	13	1	3	4	2
	ORDER 4.																		
	1. Gastritis	3	2	..	..	2	1	1	3	3	4	1·9	2	1	1	1	..	..	..
	2. Enteritis	6	4	4	7	5	5	6	6	4	3	5·0	6	1	1	..	2	3	..
	3. Peritonitis	9	4	6	2	2	8	9	4	7	5	5·6	5	..	1	2	1	1	..
	4. Ascites	2	3	2	2	2	2	3	8	1	1	2·6	2	..	..	1	1	..	..
	5. Ulceration of Intestines	1	4	4	1	2	..	2	3	..	1	1·8	2	..	..	..	1	..	1
	6. Hernia	4	3	4	4	4	6	2	4	3	5	3·9	4	..	..	1	2	1	..
	7. Ileus	3	8	4	6	3	5	..	3	5	1	3·8	2	..	..	1	..	1	..
	8. Intussusception	..	..	1	..	1	..	..	1	1	1	·5	3	1	1	..	2	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism;" of "hæmorrhage" and "abscess"

in the FOURTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Jan. 29 1859	Jan. 28 1860	Jan. 26 1861	Jan. 25 1862	Jan. 24 1863	Jan. 30 1864	Jan. 28 1865	Jan. 27 1866	Jan. 26 1867	Jan. 25 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, January 30, 1869. ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	43°·7	38°·4	41°·0	36°·1	43°·8	39°·6	31°·7	43°·1	37°·2	37°·4	39°·2	40°·7						
	9. Stricture of Intestines	1	2	1	1	..	2	3	1	..	..	1·1	2	..	..	1	..	1	..
	10. Fistula	..	1	..	1	1	..	..	1	..	1	·5	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	2	11	8	9	6	5	7	5	8	4	6·5	3	..	..	..	3	..	..
	12. *Pancreas Disease, &c.*	..	..	..	1	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	13. Hepatitis	4	3	4	4	5	2	8	4	7	2	4·3	1	..	..	..	..	1	..
	14. Jaundice	3	6	2	3	2	3	2	3	5	5	3·4	4	2	2	1	1	..	..
	15. *Liver Disease, &c.*	12	10	10	13	16	15	14	14	20	17	14·1	24	1	1	3	12	7	1
	16. *Spleen Disease, &c.*	..	1	1	..	1	..	..	1	2	..	·6	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	3	..	3	1	3	..	2	..	1	..	1·3	..	..	..	..	..	..	..
	2. Ischuria	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	7	12	11	5	12	7	12	11	15	15	10·7	21	2	4	3	11	3	..
	4. Diabetes	..	..	1	..	1	1	..	2	3	4	1·2	2	..	..	1	1	..	..
	5. Calculus (Stone)	..	..	2	..	2	1	..	2	1	1	·9	..	..	..	..	..	..	..
	6. Cystitis	2	1	..	2	1	..	1	2	..	2	1·1	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	5	11	4	7	3	5	12	3	15	9	7·4	13	..	..	3	5	4	1
	ORDER 6.																		
	1 Ovarian Dropsy	1	1	..	1	3	1	..	..	1	1	·9	1	..	..	..	1	..	..
	2. *Uterus Disease, &c.*	7	2	1	5	4	3	3	1	4	6	3·6	5	..	..	..	4	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	1	1	1	..	..	2	..	..	..	..	·5	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	3	6	3	3	4	4	13	4	5	5	5·0	7	..	2	3	1	1	..
	ORDER 8.																		
	1. Phlegmon	3	2	2	..	3	1	6	1	2	5	2·5	2	..	..	1	1	..	..
	2. Ulcer	4	1	3	3	2	1	4	3	2	1	2·4	2	..	1	..	..	1	..
	3. *Skin Disease, &c.*	..	3	..	1	1	1	..	2	..	..	·8	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	19	14	18	26	17	24	26	16	23	20	20·3	22	22	22	..	..	..	..
	2. Cyanosis	2	1	3	..	2	1	1	2	5	..	1·7	1	1	1	..	..	..	..
	3. Spina Bifida	2	1	1	1	1	..	1	..	2	..	·9	1	1	1	..	..	..	..
	4. Other Malformations	3	2	3	3	1	2	..	2	5	3	2·4	..	..	..	..	..	..	..
	5. Teething	17	6	33	19	20	13	19	18	21	15	18·1	14	14	14	..	..	..	..
	ORDER 2.																		
	1. Paramenia	1	..	..	..	..	..	..	..	1	1	·3	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	5	10	1	4	4	7	5	14	8	7	6·5	4	..	..	2	2	..	..
	ORDER 3.																		
	1. Old Age	59	55	85	99	42	94	76	46	92	58	70·6	83	..	..	..	..	36	47
	ORDER 4.																		
	1. Atrophy and Debility	44	67	67	53	56	50	58	64	70	71	60·0	61	42	42	2	3	14	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	7	14	15	7	20	10	16	20	17	20	14·6	15	..	4	2	5	2	2
	2. Wounds	..	2	1	..	..	1	2	..	..	..	·6	..	..	..	..	..	..	..
	3. Burns and Scalds	11	11	21	17	9	11	5	8	14	5	11·2	11	6	8	..	2	..	1
	4. Poison	..	..	1	2	..	..	..	..	3	1	·7	..	..	..	..	..	..	..
	5. Drowning	3	3	3	5	3	4	5	1	2	..	2·9	3	..	1	1	1	..	..
	6. Suffocation	5	16	18	11	8	5	10	2	13	7	9·5	10	8	8	..	1	1	..
	7. Otherwise	1	4	5	3	2	4	..	..	6	4	2·9	3	2	2	..	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	1	4	2	1	..	1	2	2	1	5	1·9	..	..	..	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	2	1	..	..	1	..	..	..	..	·4	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	2	2	1	1	1	..	..	1	1	·9	..	..	..	..	..	..	..
	2. Poison	..	..	..	2	..	3	..	2	1	..	·8	1	..	..	..	1	..	..
	3. Drowning	2	..	1	..	..	1	..	..	..	1	·5	1	..	..	1	..	..	..
	4. Hanging	1	..	2	2	..	1	1	2	..	..	·9	1	..	..	..	..	1	..
	5. Otherwise	..	1	..	..	1	1	1	..	..	..	·4	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	3	·3	2	..	1	..	1	..	..
	Sudden Deaths (Cause unascertained)	7	3	3	7	7		2	5	2	1	4·0	..	..	..	..	..	..	..
	Causes not specified or ill-defined	21	12	3	25	7	43	9	5	13	1	13·9	10†	5	6	..	..	1	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 3 is added, without distinction of ages. See note *, page 26.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 30th January, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
January.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday .	24	..	29·999	36·7	26·3	10·4	30·0	15·0	75·1	22·7	38·9	37·9	15·0	19·5	7·7	— 7·9	51	SE.	SSE.	0·1	0·0	0·0	136	0·00	1
Monday .	25	..	29·878	40·8	27·1	13·7	34·7	25·9	76·5	20·2	37·4	35·4	8·8	12·0	7·9	— 3·4	70	S. & SSW.	SSW.	1·4	0·0	0·2	265	0·00	2
Tuesday .	26	Greatest Dec. N.	29·721	45·2	35·1	10·1	40·0	34·3	53·3	28·0	37·4	35·4	5·7	7·0	2·6	+ 1·7	80	SW.	SW. & SSW.	1·2	0·0	0·1	251	0·00	0
Wednesday	27	..	29·486	46·0	36·7	9·3	40·7	34·7	65·0	31·2	37·9	35·9	6·0	11·4	0·0	+ 2·3	79	SSW.	SSE. & S.	1·8	0·0	0·2	259	0·03	1
Thursday .	28	Full	29·183	54·0	40·9	13·1	47·6	44·8	84·7	39·0	37·9	35·9	2·8	8·0	0·0	+ 9·2	90	S. & SSW.	SW. & S.	15·6	0·0	0·4	308	0·23	2
Friday . .	29	Perigee	28·968	51·6	40·0	11·6	46·2	42·4	75·5	37·8	39·9	37·4	3·8	9·4	0·0	+ 7·9	87	S. & SSW.	SW. & SSW.	30·+	0·0	3·1	552	0·70	6
Saturday .	30	..	29·438	51·7	39·1	12·6	45·8	40·9	81·5	36·0	40·7	38·4	4·9	10·2	2·4	+ 7·7	83	SSW.	SW. & SSW.	19·4	0·1	1·5	527	0·07	4
Means . .		..	29·525	46·6	35·0	11·5	40·7	34·0	73·1	30·7	38·6	36·6	6·7	11·1	2·9	+ 2·5	77	SSW. & SW.		..	..	..	Sum 2298	Sum 1·03	2·3
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. January.		Electricity.	Sky and Atmosphere.
Sunday .	24	No electricity was shown.	A very fine day. Light clouds were occasionally present.
Monday .	25		Fine, and generally cloudless throughout the morning; overcast after 2h. P.M.
Tuesday .	26		Generally cloudy. A very fine lunar corona seen after 9h. P.M.
Wednesday	27		Fine, and light clouds prevailed till the afternoon; overcast at night, and thin rain fell.
Thursday .	28		Partially cloudy, and fine till night; after 10h. P.M. rain commenced falling heavily, and was still falling at midnight.
Friday .	29	The insulating lamp was not burning.	Very variable. Rain fell very heavily during the morning, and at night also frequent heavy showers fell, accompanied by violent gusts of wind.
Saturday .	30		Overcast during the early morning, and rain fell occasionally, accompanied at times by small hailstones; fine afterwards, and partially cloudy till the afternoon; then overcast.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 6h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·93 in. at the beginning of the week to 30·02 in. by 8h. P.M. on the 24th; decreased to 28·92 in. by 9h. A.M. on the 29th; increased to 29·50 in. by noon on the 30th; and was 29·41 in. by the end of the week.

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WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 5. 1869. Vol. XXX.] Week ending Saturday, February 6. [Price 1*d.*

ROYAL COLLEGE OF SURGEONS OF ENGLAND

General Register Office, Somerset House,
8th February 1869.

In the week that ended on Saturday, 6th February, 4958 births, and 3574 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 28 per 1000 persons living.

The annual rate of mortality last week was 27 per 1000 in London, 33 in Edinburgh, and 31 in Dublin; 34 in Bristol, 22 in Birmingham, 31 in Liverpool, 31 in Manchester, 29 in Salford, 26 in Sheffield, 28 in Bradford, 26 in Leeds, 23 in Hull, 34 in Newcastle-upon-Tyne, and 37 in Glasgow.

In London the births of 1134 boys and 1182 girls, in all 2316 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2346.

The deaths registered in London during the week were 1631. It was the fifth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1637. The deaths in the present return approximate closely to the estimated amount, and are less by 106 than the number recorded in the preceding week.

The deaths from zymotic diseases were 290, the corrected average number being 351. Nine deaths from small-pox, 17 from measles, 45 from scarlet fever, 3 from diphtheria, 64 from whooping-cough, 15 from typhus fever, 36 from enteric fever, 12 from simple continued fever, and 9 from diarrhœa were registered.

The mortality from scarlet fever continues to decline, the numbers recorded in the last three weeks being 64, 53, 45. In the week which ended 19th September the deaths were 74, in the following week they rose to 101, and during the succeeding 16 weeks 1596 cases were recorded. The following case shows that although the deaths are now considerably less than in previous weeks, yet the disease still prevails with great severity.

The wife of a printer, aged 31 years, died on 6th February at 5 Ponsonby-place, Westminster, from "typhoid scarlatina, inflammation of brain, whole "duration 6 days." The registrar remarks that this is the "third death in this "house registered during the present week."

A comparison of the deaths from fever with those recorded in the preceding week, shows a decrease of 6 on the total number, a decrease of 9 deaths from typhus fever, an increase of 6 from enteric fever, and a decrease of 3 from simple continued fever.

A blacksmith, aged 66 years, was found dead on 18th January, from "continued "fever, accelerated by removal to Fever Hospital in a cab." *Post mort.* (*Inquest.*)

The wife of a labourer, aged 32 years, was found dead on 25th January, from "typhus, accelerated by being removed to Fever Hospital in a cab." *Post mort.* (*Inquest.*)

The deaths from fever and other zymotic diseases would be considerably diminished if public vehicles were not used to convey infected persons; under the present system they become the means of propagating disease among persons who would otherwise escape the malady.

The deaths of 9 nonagenarians were recorded, and the widow of a licensed victualler died on 4th February, at 19 Canrobert-street, Bethnal-green, at the age (as stated) of 101 years.

The deaths of 2 persons from privation, of 5 persons from delirium tremens, of 14 infants and one adult from syphilis, of 4 children and 2 adults from burns or scalds, of 2 children and 6 adults from drowning, of 7 infants and one adult from suffocation, of 5 persons who committed suicide, and of 3 persons who were killed by horses or vehicles in the streets were recorded.

The expected number of deaths by violence in the streets of London is, in the present condition of their traffic, between 19 and 20 in five weeks; the actual numbers registered in the five weeks of this year amount to 21: 5 persons were killed by horses, one by a carriage, 2 by omnibuses, 2 by cabs, 5 by waggons or vans, and 6 by carts. What appears the work of chance, is the natural effect of causes which admit of control.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·621 in. The barometrical reading increased from 28·83 in. on Monday, 1st February, to 30·12 in. on Friday, 5th February. The mean temperature of the air in the week was 49·2°, which is 11·1° above the average of the same week in 50 years (as determined by Mr. Glaisher). On Sunday, 31st January, the mean temperature was 14·1°, on Monday, 1st February, 11·6°, on Thursday, 4th February, 13·6°, on Friday, 5th February, 13·8°, and on Saturday, 6th February, 11·7° above the the average. The highest day temperature was 61·6° on Friday, 5th February. The lowest night temperature was 35·1° on Wednesday, 3d February. The entire range of temperature in the week was, therefore, 26·5°. The mean of the highest temperatures of the water of the Thames was 46·0°; that of the lowest was 43·9°. The difference between the mean dew-point temperature and air temperature was 4·3°. The mean degree of humidity of the air was 85, complete saturation being represented by 100. Rain fell to the amount of 0·65 in. The general direction of the wind was S.W. and S.S.W. Violent gales occurred on Sunday, 31st January, and Monday, 1st February. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 328,526 cubic metres, and at Barking 171,475 cubic metres, equivalent to about as many tons by weight. The daily average quantity of sewage discharged into the Thames at Barking during the week ending 30th January, was 146,128 cubic metres.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of January 1869: thus, according to their account, 91,578,341 gallons or 416,082 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 90·2 decalitres, rather less than a *ton* by weight, to each house, and 13·1 decalitres (= 28·9 gallons) to each person.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	December 1868.	January 1869.	December 1868.	January 1869.
Total Supply	459,234	461,220	92,001,154	91,578,341
From Thames	209,702	210,205	48,278,488	48,037,158
From Lea and from other Sources	249,532	251,015	43,722,666	43,541,183
Thames.				
Chelsea	27,083	27,083	7,952,100	8,247,000
West Middlesex	38,878	39,131	7,767,383	7,689,933
Southwark and Vauxhall	72,225	72,257	13,900,862	13,901,382
Grand Junction	29,723	29,828	9,275,443	8,649,443
Lambeth	41,793	41,906	9,382,700	9,549,400
Lea and other Sources.				
New River	115,495	115,579	19,963,000	19,772,000
East London	96,748	97,971	17,321,000	17,310,000
Kent	37,289	37,465	6,438,666	6,459,183

Note.—The Return for January as compared with that for December shows an increase of 1,986 houses, and a decrease of 422,813 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Fifth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1922	1943	2050	2020	2111	2078	2277	2171	2390	2364	2132·6	2316
Males	939	1003	1049	1007	1123	1055	1175	1100	1237	1207	1089·5	1134
Females	983	940	1001	1013	988	1023	1102	1071	1153	1157	1043·1	1182
Total Deaths	1243	1389	1544	1492	1354	1655	1773	1417	1628	1394	1488·9	1631
Males	630	691	768	763	695	826	852	757	854	735	757·1	799
Females	613	693	776	729	659	829	921	660	774	659	731·8	832

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 6th day of February 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births.		Deaths.		Temperature of the Air. (Fahrenheit.)			Rain Fall.		Temperature of the Air. (Centigrade.)			Rain Fall per Hectare in Metric Tons.
			Corrected Average Weekly Number in 10 Years 1851-60.	Registered during the Week ending 6th Feb.	Corrected Average Weekly Number in 10 Years 1851-60.	Registered during the Week ending 6th Feb.	Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	In Inches.	In Tons per Acre.	Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4958**	**3244**	**3574**	**61·8**	**28·0**	**47·4**	**0·93**	**94**	**16·56**	**−2·22**	**8·55**	**236**
London (Metropolis)	3,170,754	40·7	2070	2316	1462	1631	61·6	35·1	49·2	0·65	66	16·45	1·73	9·55	165
Bristol (City)	169,423	36·1	109	127	76	112 *	61·3	38·4	49·1	1·05	106	16·28	3·55	9·50	267
Birmingham (Borough)	360,846	46·1	283	261	175	149	58·0	37·2	48·9	1·44	145	14·44	2·89	9·39	366
Liverpool (Borough)	509,052	99·7	345	401	295	298	61·7	37·0	49·2	1·41	142	16·50	2·78	9·55	358
Manchester (City)	370,892	82·7	277	270	210	221 *	61·8	33·5	47·2	1·10	111	16·56	0·84	8·44	279
Salford (Borough)	119,350	23·1	89	92	60	67	60·5	34·4	48·0	1·09	110	15·84	1·33	8·89	277
Sheffield (Borough)	239,752	10·5	196	194	126	121	61·6	36·1	48·5	0·84	85	16·45	2·28	9·17	213
Bradford (Borough)	138,522	21·0	105	127	71	74	..	..	..	..	..	..	..	..	..
Leeds (Borough)	253,110	11·7	189	291	129	128	60·0	39·0	49·1	0·97	98	15·36	3·89	9·50	246
Hull (Borough)	126,682	35·6	83	68	59	55	57·0	33·3	46·4	0·95	96	13·89	0·73	8·00	241
Newcastle-on-Tyne (Borough)	130,503	24·5	90	99	69	85	58·0	32·0	43·2	1·14	115	14·44	0·00	6·22	290
Edinburgh (City)	178,002	40·2	112	134	86	114	56·7	28·0	43·3	0·40	40	13·72	−2·22	6·28	102
Glasgow (City)	458,937	90·6	374	372	268	326	55·9	31·9	45·1	0·88	89	13·28	−0·06	7·28	224
Dublin (City and some suburbs)	320,762	32·9	219	206	158	193	59·0	33·2	48·6	0·15	15	15·00	0·67	9·23	38
				Week ending 30th Jan. 1869.		Week ending 30th Jan. 1869.	Week ending 30th January 1869.					Week ending 30th January 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 4th Feb. 1869.		Week ending 4th Feb. 1869.	Week ending 4th February 1869.					Week ending 4th February 1869.			
Berlin (City)	(1867) 702,437	..	..	..	..	..	..	..	..	..	..	..	..	..	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 6th February, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2316	1631	9	17	45	3	64	63	9
WEST DISTRICTS -	362	243	1	-	11	-	8	10	1
NORTH DISTRICTS -	502	398	2	6	4	1	17	14	3
CENTRAL DISTRICTS	236	198	-	-	6	1	4	8	-
EAST DISTRICTS -	519	330	1	3	13	-	16	15	2
SOUTH DISTRICTS -	697	462	5	8	11	1	19	16	3
WEST DISTRICTS.									
St. Mary Paddington *W*H	35	20	-	-	-	-	1	-	-
St. John Paddington H	19	7	-	-	-	-	-	-	-
Kensington Town *W* -	71	26	-	-	2	-	-	1	-
Brompton H - -	12	19	-	-	1	-	-	-	-
St. Peter Hammersmith	4	2	-	-	-	-	-	-	-
St. Paul Hammersmith	28	14	-	-	1	-	1	-	-
Fulham *W* - - -	17	17	-	-	1	-	1	2	-
Chelsea South H - -	26	11	-	-	-	-	1	-	-
ChelseaNorth-west H*Ww*	15	14	1	-	-	-	1	1	-
Chelsea North-east -	11	9	-	-	-	-	1	-	-
Hanover Square - -	9	8	-	-	-	-	-	1	-
May Fair *W* - -	11	6	-	-	-	-	-	-	-
Belgrave H - - -	27	33	-	-	-	-	-	2	-
St. John Westminster -	28	18	-	-	4	-	-	1	-
St. Margaret West. *W*H	20	16	-	-	1	-	-	1	-
St. James's Square -	5	2	-	-	-	-	-	-	-
Golden Square *W* -	12	9	-	-	1	-	-	-	-
Berwick-street - -	5	6	-	-	-	-	1	1	-
St. Anne Soho - -	7	6	-	-	-	-	1	-	1
NORTH DISTRICTS.									
All Souls Marylebone H	13	17	-	-	-	-	2	-	-
Cavendish Square - -	4	2	-	-	-	-	-	1	-
Rectory Marylebone *W*	24	25	-	-	-	-	-	-	1
St. Mary Marylebone -	26	10	-	-	-	-	1	1	-
Christchurch Marylebone	31	17	-	-	-	-	3	-	-
St. John Marylebone -	9	21	-	-	-	-	-	1	-
Hampstead *W* - -	20	7	-	-	1	-	-	-	-
Regent's Park Pancras -	26	25	-	2	-	-	2	-	-
Tottenham-court *w*H -	15	24	-	-	-	-	-	-	-
Gray's Inn Lane H -	15	19	-	-	1	-	-	-	-
Somers Town - -	23	14	-	-	-	-	-	1	1
Camden Town *W* -	14	20	-	-	-	-	-	1	-
Kentish Town - -	45	29	-	1	-	-	-	2	-
Islington West* *W*HH	75	64	2	-	1	1	5	6	1
Islington East *Ww* -	82	50	-	1	-	-	-	-	-
Stoke Newington - -	6	3	-	-	-	-	-	-	-
Stamford Hill - -	1	5	-	-	-	-	1	-	-
West Hackney - -	17	6	-	-	-	-	1	-	-
Hackney *W*H*w* - -	41	25	-	1	1	-	2	1	-
South Hackney L -	15	15	-	1	-	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	12	8	-	-	-	-	-	-	-
St. Giles South *W* -	13	16	-	-	-	-	1	1	-
St. Giles North - -	9	9	-	-	-	-	-	-	-
Long Acre - - -	4	2	-	-	-	-	-	-	-
Charing Cross *W*H -	1	12	-	-	-	-	-	1	-
St. Mary-le Strand -	3	2	-	-	-	-	-	-	-
St. Clement Danes H -	9	10	-	-	-	-	-	1	-
St. George-the-Martyr H	15	5	-	-	1	-	-	-	-
St. Andrew, East Holb. *W*	14	16	-	-	2	-	-	-	-
Saffron Hill - - -	5	10	-	-	-	-	-	-	-
St. James Clerkenwell *W*	16	15	-	-	-	-	-	-	-
Amwell Clerkenwell -	14	6	-	-	-	-	-	-	-
Pentonville - - -	10	5	-	-	-	-	-	-	-
Goswell-street - -	14	10	-	-	1	-	-	-	-
Old-street - - -	8	2	-	-	-	-	-	-	-
City-road HL - -	23	13	-	-	-	-	-	2	-
Whitecross street - -	13	8	-	-	-	1	-	1	-
Finsbury - - -	8	4	-	-	-	-	-	-	-
St. Botolph East London	10	9	-	-	1	-	-	-	-
Cripplegate - - -	10	10	-	-	1	-	1	1	-
West London North *W*H	3	10	-	-	-	-	-	-	-
West London South -	8	4	-	-	-	-	1	1	-
London City South-west	3	1	-	-	-	-	1	-	-
London City North-west	2	2	-	-	-	-	-	-	-
London City South -	1	3	-	-	-	-	-	-	-
London City South-east	3	1	-	-	-	-	-	-	-
London City North-east	5	5	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	8	2	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	24	11	-	-	-	-	-	-	-
Hoxton New Town *w* -	32	21	-	-	1	-	1	1	-
Hoxton Old Town - -	20	11	-	-	1	-	2	-	-
Haggerstone West *W* -	15	22	-	-	-	-	-	-	-
Haggerstone East - -	17	11	-	1	-	-	-	2	-
Hackney-road - -	23	8	-	-	-	-	2	-	-
Green, Bthnl.Grn. *W*HL†	24	22	-	-	-	-	2	-	-
Church, Bethnal Green	23	8	-	-	1	-	1	1	-
Town, Bethnal Green -	17	4	-	-	1	-	-	1	-
Artillery Whitechapel -	6	1	-	-	-	-	-	1	-
Spitalfields - - -	6	7	-	-	-	-	2	-	-
Mile End New Town *W*	13	6	-	-	-	-	-	-	-
Whitechapel North -	5	5	-	-	-	-	-	-	-
Whitechapel Church H	4	13	-	1	-	-	-	-	-
Goodman's Fields - -	6	3	-	-	-	-	-	-	-
Aldgate - - - -	2	7	-	-	-	-	-	-	-
St. Mary St. Geo. East -	17	8	-	-	-	-	-	-	-
St. Paul St. Geo. East -	28	9	1	1	-	-	-	-	-
St. John St. Geo. East *W*	7	4	-	-	-	-	-	-	-
Shadwell *W* - - -	12	9	-	-	1	-	-	-	-
Ratcliff *W* - - -	12	12	-	-	2	-	-	2	-
Limehouse *W* - -	30	24	-	-	3	-	2	2	-
Mile End Old Town, West	25	17	-	-	-	-	1	-	-
Mile End Old T., East *Ww*	43	18	-	-	-	-	1	1	1
Bow *ww*L† - - -	59	34	-	-	1	-	1	1	1
Poplar *W* - - -	41	33	-	-	2	-	1	3	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	20	9	-	-	-	-	-	-	-
St. Saviour Southwark H	19	10	-	-	-	-	1	-	-
St. Olave Southwark H	-	7	-	-	-	-	-	-	-
St. John Horsleydown *W*	9	4	-	-	-	-	-	1	-
St. James Bermondsey -	39	17	-	-	1	-	2	-	-
St. Mary Magdalen *W*	18	14	-	-	1	-	-	-	-
Leather Market - -	14	9	-	-	-	-	-	1	-
Kent-road - - -	10	7	-	-	-	-	-	1	-
Borough-road *W* - -	14	10	-	-	-	-	-	1	-
London-road L - -	11	7	-	-	-	-	-	-	-
Trinity Newington -	15	8	-	-	-	-	-	-	-
St. Peter Walworth *W*	34	23	-	1	1	-	3	-	-
St. Mary Newington H -	12	6	-	-	-	-	-	1	-
Waterloo-road 1st - -	11	9	-	2	-	-	-	-	-
Waterloo-road 2nd -	21	15	-	-	-	-	1	-	-
Lambeth Church 1st -	12	9	-	-	-	-	1	-	-
Lambeth Church 2nd *W*	25	27	-	-	-	-	3	2	-
Kennington 1st - -	32	23	2	-	1	-	-	1	-
Kennington 2nd - -	17	12	-	-	-	-	-	-	-
Brixton - - - -	20	10	-	-	-	-	1	-	-
Norwood *W* - - -	10	8	-	-	-	-	-	-	-
Clapham - - -	24	6	-	-	-	-	-	-	-
Battersea *Ww* - -	43	26	1	1	1	-	2	-	-
Wandsworth L - -	5	14	-	3	1	-	-	1	-
Putney - - - -	5	5	-	-	-	-	-	2	-
Streatham - - -	6	4	-	-	-	-	-	-	-
Dulwich - - -	4	1	-	-	-	-	-	-	-
Camberwell *W*L†L† -	11	18	1	-	-	-	2	1	-
Peckham - - -	34	23	-	-	1	-	-	1	-
St. George Camberwell -	15	13	-	-	2	-	-	-	-
Rotherhithe *W* - -	15	8	-	1	-	-	-	1	-
St. Paul Deptford - -	49	21	-	-	1	1	2	1	-
St. Nicholas Deptford -	4	7	1	-	-	-	-	-	-
Greenwich West H -	14	16	-	-	-	-	-	1	-
Greenwich East *W*H -	14	13	-	-	-	-	1	-	-
Eltham - - - -	1	1	-	-	-	-	-	-	-
Lee - - - -	11	5	-	-	-	-	-	-	-
Lewisham Village *W* -	7	3	-	-	-	-	-	-	-
Sydenham - - -	13	5	-	-	-	-	-	-	-
Charlton H - - -	4	9	-	-	-	-	-	-	-
Woolwich Dockyard H	11	6	-	-	-	-	-	-	-
Woolwich Arsenal H -	19	7	-	-	-	-	-	-	-
Plumstead, West - -	10	3	-	-	-	-	-	-	-
Plumstead, East - -	15	4	-	-	1	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the FIFTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 5 1859	Feb. 4 1860	Feb. 2 1861	Feb. 1 1862	Jan. 31 1863	Feb. 6 1864	Feb. 4 1865	Feb. 3 1866	Feb. 2 1867	Feb. 1 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 6, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	39°·6	36°·3	42°·3	45°·8	44°·5	37°·8	39°·3	45°·1	46°·0	42°·7	41°·9	Mean Temp 49·2						
	ALL CAUSES . . .	1243	1389	1544	1492	1354	1655	1773	1417	1628	1394	1488·9	1631	624	723	221	276	329	82
	SPECIFIED CAUSES .	1221	1363	1530	1461	1344	1641	1719	1370	1611	1378	1463·8	1625	618	717	221	276	329	82
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	285	285	290	349	359	340	370	308	319	286	319·1	290	176	213	32	23	18	4
II.	CONSTITUTIONAL „ .	221	225	248	248	231	272	276	277	256	267	252·1	306	82	106	89	87	22	2
II.	LOCAL „ .	525	656	766	657	541	801	853	568	774	624	676·5	807	270	302	81	151	234	39
IV.	DEVELOPMENTAL „ .	156	151	182	174	167	173	181	175	208	162	172·9	174	78	78	4	4	51	37
V.	VIOLENT DEATHS . .	34	46	44	33	46	55	39	42	54	39	43·2	48	12	18	15	11	4	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	262	256	265	322	337	318	345	280	292	259	293·6	251	150	187	28	17	15	4
	2. ENTHETIC „ . .	9	11	8	12	11	6	10	14	7	11	9·9	20	14	14	1	3	2	..
	3. DIETIC „ . .	14	16	15	14	9	13	14	14	17	14	14·0	14	7	7	3	3	1	..
	4. PARASITIC „ . .	..	2	2	1	2	3	1	..	3	2	1·6	5	5	5	..	..	..	..
II.	1. DIATHETIC „ . .	36	50	44	40	39	40	44	43	44	49	42·9	52	3	5	6	24	15	2
	2. TUBERCULAR „ . .	185	175	204	208	192	232	232	234	212	218	209·2	254	79	101	83	63	7	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	137	116	168	142	145	186	178	133	196	182	158·3	212	94	98	17	30	54	13
	2. „ OF ORGANS OF CIRCULATION .	52	70	70	85	47	77	85	74	72	51	68·3	88	1	6	14	32	33	3
	3. „ OF RESPIRATORY ORGANS . .	258	389	447	367	256	438	500	272	414	307	364·8	421	159	176	28	63	132	22
	4. „ OF DIGESTIVE ORGANS . .	48	52	43	46	60	58	49	54	45	50	50·5	53	13	17	12	16	7	1
	5. „ OF URINARY ORGANS . . .	15	17	22	13	16	25	23	22	27	16	19·6	25	1	2	8	7	8	..
	6. „ OF ORGANS OF GENERATION .	7	4	5	2	3	2	6	3	4	7	4·3	3	..	..	1	2	..	..
	7. „ OF ORGANS OF LOCOMOTION .	5	3	5	1	9	11	8	5	10	3	6·0	2	..	1	1	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	3	5	6	1	5	4	4	5	6	8	4·7	3	2	2	..	1	..	..
IV.	1. DEV. DISEASES OF CHILDREN	44	36	56	42	55	44	40	49	56	38	46·0	40	40	40	..	..	..	..
	2. „ OF ADULTS . .	7	3	11	5	7	2	6	6	6	5	5·8	4	..	..	4	..	..	..
	3. „ OF OLD PEOPLE	49	51	51	79	64	73	76	67	85	57	65·2	79	..	..	..	..	42	37
	4. DISEASES OF NUTRITION .	56	61	64	48	41	54	59	53	61	62	55·9	51	38	38	..	4	9	..
V.	1. ACCIDENT OR NEGLIGENCE .	29	34	39	32	38	48	32	36	45	33	36·6	41	11	17	12	9	3	..
*	3. HOMICIDE	3	6	4	1	2	3	3	3	5	1	3·1	1	1	1	..	..	..	..
	4. SUICIDE	2	6	1	..	6	4	4	3	3	5	3·4	5	..	..	2	2	1	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	1	..	·1	1	..	..	1	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	12	4	5	11	6	3	2	1	3	..	4·7	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	10	22	9	20	4	11	52	46	14	16	20·4	6	6	6	..	..	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 5 1859	Feb. 4 1860	Feb. 2 1861	Feb. 1 1862	Jan. 31 1863	Feb. 6 1864	Feb. 4 1865	Feb. 3 1866	Feb. 2 1867	Feb. 1 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 6, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	39°6	36°3	42°3	45°8	44°5	37°8	39°3	45°1	46°0	42°7	41°9	Mean Temp. 49°2						
I.	ORDER 1.																		
	1. Small-pox	11	44	6	..	39	10	16	21	55	24	22·6	9	2	4	4	1	..	...
	2. Measles	33	22	40	21	34	23	28	34	23	26	28·4	17	16	17	..	..	..	...
	3. Scarlet Fever (Scarlatina) }	92	39	21	70	49	58	46	40	22	31	57·5	45	33	44	1	..	..	...
	4. Diphtheria }		4	12	15	15	24	5	14	7	11		3	2	2	1	..	..	...
	5. Quinsy	1	4	3	4	..	..	1	1	1	1	1·6	1	..	..	1	..	..	...
	6. Croup	9	16	23	25	24	18	15	6	21	21	17·8	19	17	19	..	..	..	...
	7. Whooping-cough	50	48	91	68	59	81	86	66	71	65	68·5	64	62	64	..	..	..	...
	8. Typhus }												15	..	2	5	4	4	...
	— Enteric Fever }	32	31	21	70	71	68	95	55	49	47	53·9	36	3	14	11	7	4	...
	— Simple continued Fever }												12	5	8	..	1	3	...
	9. Erysipelas	9	9	3	7	5	6	11	2	7	4	6·3	5	2	2	..	2	..	1
	10. Puerperal Fever (Metria)	4	6	4	6	3	3	3	5	4	3	4·1	1	..	..	1	..	..	...
	11. Carbuncle	2	1	..	..	2	2	3	2	1	2	1·5	1	..	..	..	..	..	1
	12. Influenza	2	4	2	6	1	1	1	2	2	..	2·1	3	1	1	..	..	1	1
	13. Dysentery	2	4	2	3	..	2	2	..	1	1	1·7	..	..	..	..	..	..	..
	14. Diarrhœa	10	13	23	14	18	10	16	19	21	15	15·9	9	7	7	..	..	2	..
	15. Simple Cholera	..	..	..	..	..	..	..	2	..	..	·2	..	..	..	..	..	..	..
	16. Ague	..	..	..	..	4	..	..	..	..	..	·4	2	..	1	..	1	..	..
	17. Remittent fever	..	5	2	..	5	..	..	2	..	..	1·4	..	..	..	..	..	..	..
	18. Rheumatism	5	6	12	13	8	12	17	9	7	8	9·7	9	..	2	4	1	1	1
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	8	9	5	9	10	4	9	13	6	9	8·2	15	14	14	..	..	1	..
	2. Stricture of Urethra	1	2	2	3	1	2	1	1	..	2	1·5	5	..	..	1	3	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	2	1	2	..	..	..	..	1	4	2	1·2	2	..	..	1	1	..	..
	2. Want of Breast-milk	7	11	10	9	5	7	11	10	8	9	8·7	7	7	7	..	..	..	..
	3. Purpura and Scurvy	1	..	1	..	1	1	1	1	1	2	·9	..	..	..	..	..	..	..
	4. Alcoholism { *a* Del. Tremens	3	2	1	4	1	3	2	1	2	..	1·9	5	..	..	2	2	1	..
	{ *b* Intemperance	1	2	1	1	2	2	..	1	2	1	1·3	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	..	2	2	1	2	3	1	..	3	2	1·6	5	5	5	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	4	1	3	..	..	..	5	..	2	1·7	1	..	..	..	..	1	..
	2. Dropsy	22	17	18	11	12	14	13	12	15	16	15·0	13	3	5	..	4	4	..
	3. Cancer	11	25	20	18	25	21	26	24	19	28	21·7	36	..	..	6	19	10	1
	4. Cancrum Oris (Noma)	..	..	2	2	1	..	1	1	1	..	·8	..	..	..	..	..	..	..
	5. Mortification	1	4	3	6	1	5	4	1	9	3	3·7	2	..	..	..	1	..	1
	ORDER 2.																		
	1. Scrofula	3	8	13	6	6	14	11	10	7	9	8·7	12	8	11	..	..	1	..
	2. Tabes Mesenterica	13	9	11	15	16	9	18	22	25	17	15·5	16	16	16	..	..	..	..
	3. Phthisis	152	142	142	163	142	186	180	178	151	170	160·6	174	8	22	83	63	6	..
	4. Hydrocephalus	17	16	38	24	28	23	23	24	29	22	24·4	52	47	52	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	11	12	12	5	10	17	10	9	9	14	10·9	14	12	13	1	..	..	..
	2. Apoplexy	29	18	36	41	38	47	35	30	37	41	35·2	45	5	6	7	12	15	5
	3. Paralysis	25	32	37	28	22	40	40	35	48	34	34·1	47	..	..	1	11	28	7
	4. Insanity	2	..	1	1	..	3	1	1	7	2	1·8	..	..	..	..	..	..	..
	5. Chorea	..	..	..	..	..	..	1	..	..	1	·2	..	..	..	..	..	..	..
	6. Epilepsy	6	6	8	10	5	3	7	8	5	6	6·4	4	..	..	3	..	1	..
	7. Convulsions	52	37	48	40	50	58	61	41	71	61	51·9	77	76	77	..	..	..	..
	8. *Brain Disease, &c.*	12	11	26	17	20	18	23	9	19	23	17·8	25	1	2	5	7	10	1
	ORDER 2.																		
	1. Pericarditis	1	2	2	3	2	2	3	1	..	6	2·2	3	..	1	1	1	..	..
	2. Aneurism	2	3	4	3	1	1	4	3	2	2	2·5	4	..	..	1	1	2	..
	3. *Heart Disease, &c.*	49	65	64	79	44	74	78	70	70	43	63·6	81	1	5	12	30	31	3
	ORDER 3.																		
	1. Laryngitis	6	4	9	16	15	6	5	7	5	12	8·5	10	9	10	..	..	..	..
	2. Bronchitis	138	217	289	226	154	299	339	161	271	183	227·7	275	88	94	10	43	108	20
	3. Pleurisy	1	2	7	2	2	3	6	1	5	5	3·4	3	..	..	1	1	1	..
	4. Pneumonia	94	136	110	82	54	90	102	76	92	80	91·6	102	60	68	11	10	11	2
	5. Asthma	13	23	24	23	20	18	31	14	25	12	20·3	15	..	..	..	5	10	..
	6. *Lung Disease, &c.*	6	7	8	18	11	22	17	13	16	15	13·3	16	2	4	6	4	2	..
	ORDER 4.																		
	1. Gastritis	3	3	1	1	3	..	1	2	..	1	1·5	3	1	1	..	1	1	..
	2. Enteritis	2	2	6	3	10	8	3	3	6	4	4·7	8	3	4	2	1	1	..
	3. Peritonitis	1	6	2	2	3	5	4	6	6	7	4·2	5	1	1	3	1	..	..
	4. Ascites	2	..	3	3	5	2	1	9	2	1	2·8	2	..	..	..	1	1	..
	5. Ulceration of Intestines	4	2	3	1	3	4	1	3	4	2	2·7	3	..	2	..	1	..	..
	6. Hernia	1	8	3	3	4	2	7	1	1	..	3·0	2	..	..	..	..	2	..
	7. Ileus	2	1	3	2	4	4	4	1	3	4	2·8	2	2	2	..	..	..	..
	8. Intussusception	1	..	1	..	..	2	2	1	..	1	·8	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism" of "hæmorrhage" and "abscess"

the FIFTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 5 1859	Feb. 4 1860	Feb. 2 1861	Feb. 1 1862	Jan. 31 1863	Feb. 6 1864	Feb. 4 1865	Feb. 3 1866	Feb. 2 1867	Feb. 1 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 6, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	39°·6	36°·3	42°·3	45°·8	44°·5	37°·8	39°·3	45°·1	46°·0	42°·7	41°·9	49°·2						
	9. Stricture of Intestines	1	1	1	1	1	1	..	..	1	1	·8	..	..	..	..	..	..	..
	10. Fistula	1	1	..	1	..	..	1	..	..	..	·4	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	9	9	7	11	4	10	7	6	2	6	7·1	6	..	1	2	2	..	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	2	3	4	5	5	4	3	3	1	3	3·3	3	..	..	1	1	1	..
	14. Jaundice	3	6	3	2	2	2	3	5	4	2	3·2	6	5	5	..	1	..	..
	15. *Liver Disease, &c.*	16	10	6	11	16	14	12	14	15	18	13·2	12	1	1	4	6	1	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
	ORDER 5.																		
	1. Nephritis	1	1	1	..	3	1	1	3	1	1	1·3	1	..	1	..	..	..	..
	2. Ischuria	..	..	..	..	..	2	1	..	..	..	·3	1	1	1	..	..	..	..
	3. Bright's disease (Nephria)	5	7	10	8	6	10	10	8	12	7	8·3	11	..	..	2	5	4	..
	4. Diabetes	2	1	5	1	1	1	2	2	3	3	2·1	3	..	..	3	..	..	..
	5. Calculus (Stone)	..	..	1	1	..	1	..	..	2	1	·6	..	..	..	..	..	..	..
	6. Cystitis	1	..	..	..	..	3	1	1	1	..	·7	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	6	8	5	3	6	7	8	8	8	4	6·3	8	..	..	3	2	3	..
	ORDER 6.																		
	1. Ovarian Dropsy	1	1	2	1	1	1	..	1	..	..	·8	2	..	..	1	1	..	..
	2. *Uterus Disease, &c.*	6	3	3	1	2	1	6	2	4	7	3·5	1	..	..	..	1	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	5	3	5	1	9	11	8	5	10	3	6·0	2	..	1	1	..	..	..
	ORDER 8.																		
	1. Phlegmon	2	3	3	..	4	..	2	2	1	3	2·0	1	..	..	..	1	..	..
	2. Ulcer	1	1	2	1	1	2	1	2	4	2	1·7	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	..	1	1	..	..	2	1	1	1	3	1·0	2	2	2	..	..	..	..
V.	ORDER 1.																		
	1. Premature Birth	25	16	25	14	22	23	21	24	26	11	20·7	17	17	17	..	..	..	..
	2. Cyanosis	2	1	1	2	5	2	2	2	1	1	1·9	2	2	2	..	..	..	..
	3. Spina Bifida	..	1	..	2	1	..	1	5	2	..	1·2	1	1	1	..	..	..	..
	4. Other Malformations	1	..	2	1	2	4	3	3	2	2	2·0	3	3	3	..	..	..	..
	5. Teething	16	18	28	23	25	15	13	15	25	24	20·2	17	17	17	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	7	3	11	5	7	2	6	6	6	4	5·7	4	..	..	4	..	..	..
	ORDER 3.																		
	1. Old Age	49	51	51	79	64	73	76	67	85	57	65·2	79	..	..	..	..	42	37
	ORDER 4.																		
	1. Atrophy and Debility	56	61	64	48	41	54	59	53	61	62	55·9	51	38	38	..	4	9	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	8	11	10	16	9	13	11	14	13	14	11·9	17	..	3	8	4	2	..
	2. Wounds	3	1	..	1	3	..	..	1	..	..	·9	..	..	..	..	..	..	..
	3. Burns and Scalds	6	10	12	5	8	18	10	8	12	10	9·9	6	3	4	1	1	..	..
	4. Poison	4	..	2	..	3	..	1	2	1	2	1·5	..	..	..	..	..	..	..
	5. Drowning	1	4	7	3	5	5	1	1	3	2	3·2	8	..	2	2	3	1	..
	6. Suffocation	7	7	6	3	9	8	7	10	15	5	7·7	8	7	7	..	1	..	..
	7. Otherwise	..	1	2	4	1	4	2	..	1	..	1·5	2	1	1	1	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	3	6	4	1	2	3	3	3	5	1	3·1	1	1	1	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	1	..	..	1	..	1	..	..	..	·3	1	..	..	..	1	..	..
	2. Poison	1	2	..	..	1	..	..	1	1	..	·6	..	..	..	..	..	..	..
	3. Drowning	1	..	..	..	2	..	1	..	1	2	·7	2	..	..	1	..	1	..
	4. Hanging	..	3	..	..	1	3	1	2	1	2	1·3	1	..	..	..	1	..	..
	5. Otherwise	..	..	..	..	1	1	1	..	..	1	·4	1	..	..	1	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	1	..	·1	1	..	..	1	..	..	..
	Sudden Deaths (Cause unascertained)	12	4	5	11	6	3	2	1	3	..	4·7	..	..	..	..	..	..	..
	Causes not specified or ill-defined	10	22	9	20	4	11	52	46	14	16	20·4	6	6	6	..	..	..	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 6th February 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.	Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
January.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . . 31	..	29·132	55·9	45·2	10·7	52·0	46·7	70·7	42·7	44·4	42·1	5·3	12·0	0·0	+14·1	82	SSW.	SW. & SSW.	30·+	0·5	4·3	716	0·21	6
February.																								
Monday . . 1	In Equator	28·901	54·9	46·2	8·7	49·4	44·4	61·7	44·1	44·9	42·9	5·0	8·0	1·7	+11·6	83	SW.	SW.	30·+	0·5	4·7	728	0·32	8
Tuesday . 2	..	29·571	48·5	36·0	12·5	41·5	36·4	53·1	31·2	45·4	43·4	5·1	9·9	2·2	+ 3·8	82	WSW&NW	NW & SSW	15·0	0·0	1·1	382	0·01	1
Wednesday 3	Last Quarter	29·662	55·5	35·1	20·4	47·2	46·6	84·0	30·6	46·9	44·4	0·6	4·1	0·0	+ 9·4	98	SSW. & SW.	SW. & WSW.	13·2	0·0	0·8	415	0·07	3
Thursday. 4	..	30·031	56·3	47·8	8·5	51·6	48·1	78·0	43·1	46·4	44·4	3·5	6·3	1·2	+13·6	88	SW.	WSW&SW.	5·6	0·1	0·6	399	0·04	2
Friday . . 5	..	30·103	61·6	46·5	15·1	52·1	45·5	94·3	38·0	46·9	44·7	6·6	12·8	2·9	+13·8	78	SW.	SSW.	2·2	0·0	0·3	288	0·00	2
Saturday. 6	..	29·948	59·9	43·9	16·0	50·3	46·3	98·7	36·7	47·4	45·4	4·0	10·7	0·4	+11·7	86	SSW.	SW.	0·9	0·0	0·1	230	0·00	1
Means . .	..	29·621	56·1	43·0	13·1	49·2	44·9	77·2	38·1	46·0	43·9	4·3	9·1	1·2	+11·1	85	SW. & SSW.		..	..	..	Sum 3153	Sum 0·65	3·3
No. of Columns	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date.		Electricity.	Sky and Atmosphere.
January.			
Sunday .	31	The insulating lamp was not burning.	Partially cloudy. Rain fell during the morning; fine in the afternoon; at night rain again fell. A violent gale of wind.
February.			
Monday .	1		Generally cloudy. Occasional heavy rain. A violent gale of wind.
Tuesday .	2		Generally overcast throughout the morning, and a little rain fell; fine, and partially cloudy till evening; then cloudless.
Wednesday	3		Generally cloudy. Rain fell in the morning. An active magnetic disturbance was shown; and brilliant auroral light was seen by the Astronomer Royal at Playford near Ipswich.
Thursday .	4		Overcast during the morning, and rain fell between 5h. A.M. and 6h. A.M.; fine and partially cloudy throughout remainder of day.
Friday .	5		A very fine day; light clouds prevailed till evening; afterwards cloudless.
Saturday .	6	The insulating lamp was lighted in the morning, and weak positive electricity was shown in the afternoon.	A very fine day; light clouds were prevalent till evening; then cloudless.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·41 in. at the beginning of the week to 29·09 in. by 9h. A.M. on the 31st of January; increased to 29·18 in. by noon on the same day; decreased to 28·83 in. by noon on the 1st of February; increased to 29·75 in. by 9h. P.M. on the 2d; decreased to 29·62 in. by 3h. P.M. on the 3d; increased to 30·12 in. by noon on the 5th; and was 29·91 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 6. 1869. Vol. XXX.] Week ending Saturday, February 13. [Price 1*d*.

General Register Office, Somerset House,
15th February 1869.

In the week that ended on Saturday, 13th February, 4617 births, and 3225 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 26 per 1000 persons living.

The annual rate of mortality last week was 23 per 1000 in London, 23 in Edinburgh, and 27 in Dublin; 29 in Bristol, 22 in Birmingham, 27 in Liverpool, 32 in Manchester, 23 in Salford, 24 in Sheffield, 20 in Bradford, 24 in Leeds, 27 in Hull, 34 in Newcastle-upon-Tyne, and 38 in Glasgow. The rate in Vienna was 35 per 1000 during the week ending the 6th inst., and in Berlin 40 per 1000 during the seven days ending the 11th instant.

In London the births of 1152 boys and 1097 girls, in all 2249 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2363.

The deaths registered in London during the week were 1426. It was the sixth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1582. The deaths in the present return are less by 156 than the estimated amount, and are less by 205 than the number recorded in the preceding week.

The deaths from zymotic diseases were 307, the corrected average number being 342. Six deaths from small-pox, 25 from measles, 56 from scarlet fever, 9 from diphtheria, 72 from whooping-cough, 20 from typhus fever, 21 from enteric fever, 14 from simple continued fever, and 8 from diarrhœa were registered.

The daughter of a printer, aged 2 years, died on 7th February at 14 Eli-street, Shoreditch, of "choleraic diarrhœa."

Six deaths from fever were registered in the West districts, 15 in the North (where the London Fever Hospital is situated), 2 in the Central, 15 in the East, and 17 in the South districts. A comparison of the deaths from fever with those recorded in the preceding week shows a decrease of 8 on the total number, an increase of 5 deaths from typhus fever, a decrease of 15 from enteric fever, and an increase of 2 from simple continued fever.

The deaths from scarlet fever, measles, and whooping-cough exhibit an increase on the numbers in the previous week. Measles is most fatal in the North and South districts, scarlet fever in the North and East districts, and whooping cough in the North and South districts.

One hundred and forty-four deaths occurred from phthisis, 209 from bronchitis, and 84 from pneumonia. The corrected average number of deaths from phthisis is 173, from bronchitis 211, and from pneumonia 89.

The deaths of 2 persons from delirium tremens, of 10 infants and one adult from syphilis, of 8 children and 2 adults from burns or scalds, of 4 persons from drowning, of 6 infants from suffocation, of 4 persons who committed suicide, and of 3 persons who were killed by horses or carriages in the streets were registered.

Calculated from the observations of the past year, people are killed in the streets of London at the rate of 23 in six weeks, the numbers registered in the six weeks of the present year are 24. The actual numbers exceed the calculated numbers by one. The chances of death change with the laws, and may be considerably reduced. A fine on the owners and drivers of the fatal vehicles would probably produce salutary effect in the streets.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·752 in. The barometrical reading increased from 29·13 in. on Friday, 12th February, to 30·24 in. at the end of the week. The mean temperature of the air in the week was 47·5°, which is 8·8° above the average of the

same week in 50 years (as determined by Mr. Glaisher). On Sunday, 7th February, the mean temperature was 11·2°, on Monday, 8th February, 11·9°, on Wednesday, 10th February, 11·6°, and on Thursday, 11th February, 12·0° above the average. The highest day temperature was 56·2° on Thursday, 11th February. The lowest night temperature was 31·7° on Saturday, 13th February. The entire range of temperature in the week was, therefore, 24·5°. The mean of the highest temperatures of the water of the Thames was 48·0°; that of the lowest was 46·0°. The difference between the mean dew-point temperature and air temperature was 4·1°. The mean degree of humidity of the air was 86, complete saturation being represented by 100. Rain fell to the amount of 0·97 in., of which 0·77 in. fell on Friday, 12th February. The general direction of the wind was W.S.W. and S.W. Gales prevailed on five days of the week. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness, was 267,608 cubic metres, and at Barking 149,757 cubic metres, equivalent to about as many tons by weight.

A Committee appointed by The Royal College of Physicians of London has prepared a Nomenclature of Diseases suitable to England and to all Countries where the English language is in common use. It is for sale at the College from 11 to 4 o'clock (on Saturday to 2 o'clock). Price 3*s.* in single copies, or 2*s.* 6*d.* per copy if 8 copies or more are purchased.

LONDON.—Births and Deaths Registered last Week, and in the Sixth Week of Ten previous Years,

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1754	2021	2066	2197	2093	2005	2336	2315	2299	2397	2148·3	2249
Males . .	898	1030	1067	1095	1055	1009	1171	1166	1173	1162	1082·6	1152
Females .	856	991	999	1102	1038	996	1165	1149	1126	1235	1065·7	1097
Total Deaths	1274	1442	1459	1384	1310	1647	1589	1316	1567	1394	1438·2	1426
Males . .	631	754	727	704	629	803	764	691	850	738	729·1	724
Females .	643	688	732	680	681	844	825	625	717	656	709·1	702

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Nov. 21.	Nov. 28.	Dec. 5.	Dec. 12.	Dec. 19.	Dec. 26.	Jan. 2.	Jan. 9.	Jan. 16.	Jan. 23.	Jan. 30.	Feb. 6.	Feb. 13.
Deaths - - - - -	1507	1561	1672	1486	1558	1262	1629	1501	1490	1578	1737	1631	1426
Deaths under 20 years of age	740	746	816	743	763	599	770	740	716	721	724	723	670
Deaths 20—40 - - -	187	234	215	205	261	201	221	219	210	220	222	221	218
Deaths 40—60 - - -	266	231	268	211	228	216	296	217	243	268	323	276	235
Deaths at 60 years of age and upwards - - -	314	350	373	327	306	246	342	325	321	369	468	411	303
Deaths from Small-pox -	3	3	8	..	5	6	7	6	8	10	5	9	6
„ „ Measles - -	12	39	31	34	33	17	35	24	20	28	26	17	25
„ „ Scarlet Fever -	118	99	107	108	100	67	83	69	64	64	53	45	56
„ „ Diphtheria -	15	13	9	15	17	8	10	8	8	5	6	3	9
„ „ Whooping-cough	31	30	46	43	30	33	49	62	51	63	85	64	72
„ „ Fever - -	55	59	59	62	61	54	56	60	59	46	69	63	55
„ „ Diarrhœa - -	9	12	11	7	11	10	9	12	12	16	12	9	8
„ „ Phthisis - -	166	192	187	125	166	136	188	153	158	198	194	174	144
„ „ Bronchitis - -	223	217	270	194	190	147	196	213	197	249	293	275	209
„ „ Pneumonia -	112	110	121	122	117	82	98	112	100	89	100	102	84
„ „ Heart Disease -	83	64	89	67	75	61	85	64	92	81	95	81	78
Mean Temperature of the Air	39·8°	42·5°	45·6°	47·6°	47·5°	44·2°	41·0°	45·7°	40·4°	36·6°	40·7°	49·2°	47·5°
Mean Temperature of the Water of the Thames -	41·6	42·6	42·8	45·3	45·6	43·8	40·5	40·3	42·9	42·0	37·6	44·9	47·0
Humidity of the Air - -	84	92	91	87	90	89	89	92	94	87	77	85	86
Rain-fall in inches - -	0·04	0·88	0·31	1·30	0 92	1·57	1·53	1·15	0·23	0·13	1·03	0·65	0·97

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Leather Market was not received when the Tables were under preparation but an average of 8, derived from the returns of six previous weeks, is substituted for the true number, which is 10.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 13th day of February 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 13th Feb.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 13th Feb.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4617**	**3244**	**3225**	**59·0**	**27·0**	**45·9**	**0·96**	**97**	**15·00**	**−2·78**	**7·72**	**244**
London (Metropolis)	3,170,754	40·7	2070	2249	1462	1426	56·2	31·7	47·5	0·97	98	13·44	−0·17	8·61	246
Bristol (City)	169,423	36·1	109	127	76	93 *	57·0	32·4	47·4	2·13	215	13·89	0·22	8·55	541
Birmingham (Borough)	360,846	46·1	283	253	175	152	56·7	33·0	47·1	1·34	135	13·72	0·56	8·39	340
Liverpool (Borough)	509,052	99·7	345	386	295	265	57·7	36·8	46·6	0·34	34	14·28	2·67	8·12	86
Manchester (City)	370,892	82·7	277	282	210	225 *	..	..	..	..	..	..	..	..	..
Salford (Borough)	119,350	23·1	89	82	60	52	56·5	31·7	46·0	1·40	141	13·61	−0·17	7·78	356
Sheffield (Borough)	239,752	10·5	196	169	126	112	57·0	32·0	45·9	0·62	63	13·89	0·00	7·72	158
Bradford (Borough)	138,522	21·0	105	103	71	53	..	..	..	..	..	..	..	..	..
Leeds (Borough)	253,110	11·7	189	224	129	116	59·0	36·0	48·5	1·19	119	15·00	2·22	9·17	302
Hull (Borough)	126,682	35·6	83	68	59	66	57·0	27·0	44·8	0·31	31	13·89	−2·78	7·12	79
Newcastle-on-Tyne (Borough)	130,503	24·5	90	68	69	85	55·0	31·0	42·6	0·47	47	12·78	−0·56	5·90	119
Edinburgh (City)	178,002	40·2	112	129	86	80	53·7	32·0	42·5	1·00	101	12·06	0·00	5·84	254
Glasgow (City)	458,937	90·6	374	334	268	336	..	..	..	..	..	..	..	..	..
Dublin (City and some suburbs)	320,762	32·9	219	143	158	164	56·9	33·5	46·4	0·77	78	13·83	0·84	8·00	196
				Week ending 6th Feb. 1869.		Week ending 6th Feb. 1869.	Week ending 6th February 1869.					Week ending 6th February 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	379	..	..	38·5	..	..	..	..	3·63	..
				Week ending 11th Feb. 1869.		Week ending 11th Feb. 1869.	Week ending 11th February 1869.					Week ending 11th February 1869.			
Berlin (City)	(1867) 702,437	..	..	660	..	552	..	..	48·2	..	..	..	..	9·00	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 13th February 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2249	1426	6	25	56	9	72	55	8
WEST DISTRICTS -	329	209	2	3	6	2	9	6	2
NORTH DISTRICTS -	509	332	-	10	14	3	18	15	3
CENTRAL DISTRICTS -	236	173	-	2	5	1	12	2	2
EAST DISTRICTS -	456	288	-	-	23	-	13	15	1
SOUTH DISTRICTS -	719	424	4	10	8	3	20	17	-
WEST DISTRICTS.									
St. Mary Paddington *WH*	42	23	-	-	-	-	2	-	-
St. John Paddington H	9	15	-	-	-	-	1	1	-
Kensington Town *W* -	56	17	-	-	1	-	2	1	-
Brompton H - -	15	10	1	-	1	-	-	-	-
St. Peter Hammersmith	4	1	-	-	-	-	-	-	-
St. Paul Hammersmith	21	12	-	-	-	-	-	-	-
Fulham *W* - - -	11	12	-	-	1	-	-	-	-
Chelsea South H - -	14	16	-	1	1	-	-	-	1
Chelsea North-west H*Ww*	18	10	-	-	1	-	-	-	-
Chelsea North-east -	24	11	1	-	-	-	1	1	-
Hanover Square - -	5	2	-	-	-	1	-	-	-
May Fair *W* - -	3	4	-	-	-	-	-	1	-
Belgrave H - - -	41	28	-	-	-	-	2	1	-
St. John Westminster -	27	12	-	1	1	-	-	1	-
St. Margaret West. *WH*	16	17	-	-	-	-	-	-	1
St. James's Square -	7	5	-	-	-	-	-	-	-
Golden Square *W* -	7	5	-	-	-	1	-	-	-
Berwick-street - -	4	5	-	1	-	-	-	-	-
St. Anne Soho - -	5	4	-	-	-	-	1	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	16	25	-	-	-	-	2	-	-
Cavendish Square - -	10	3	-	-	-	-	-	-	-
Rectory Marylebone *W*	20	19	-	-	-	-	1	2	-
St. Mary Marylebone -	21	8	-	-	-	-	-	-	-
Christchurch Marylebone	19	14	-	-	-	-	2	-	-
St. John Marylebone -	17	14	-	-	-	-	-	-	-
Hampstead *W* - -	15	11	-	1	2	-	-	-	-
Regent's Park Pancras -	27	8	-	2	-	-	-	-	-
Tottenham-court *w*H -	18	16	-	-	1	-	1	-	-
Gray's Inn Lane H -	18	18	-	-	-	-	-	1	-
Somers Town - -	18	13	-	1	1	-	1	-	1
Camden Town *W* -	13	11	-	1	1	1	-	-	1
Kentish Town - -	43	19	-	1	3	-	-	-	-
Islington West* *WHH*	86	50	-	3	2	1	3	11	-
Islington East *Ww* -	85	40	-	-	1	-	6	-	1
Stoke Newington - -	5	1	-	-	-	-	-	-	-
Stamford Hill - -	4	2	-	-	-	-	-	-	-
West Hackney - -	20	7	-	-	1	-	-	-	-
Hackney *WHw* - -	36	39	-	1	1	-	2	1	-
South Hackney L -	18	14	-	-	1	1	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	13	8	-	-	-	-	1	-	1
St. Giles South *W* -	10	8	-	-	-	-	-	-	-
St. Giles North - -	9	8	-	-	1	-	-	-	-
Long Acre - - -	11	5	-	-	-	-	1	-	-
Charing Cross *WH* -	1	3	-	-	-	-	-	-	-
St. Mary-le-Strand -	4	4	-	-	-	-	-	-	-
St. Clement Danes H -	7	7	-	-	-	-	1	-	-
St. George-the-Martyr H	15	6	-	1	-	-	-	-	-
St. Andrew, East Holb. *W*	12	12	-	-	-	-	-	-	-
Saffron Hill - - -	3	8	-	-	-	-	-	-	1
St. James Clerkenwell *W*	19	9	-	-	1	-	-	-	-
Amwell Clerkenwell -	17	10	-	-	-	-	-	-	-
Pentonville - - -	11	9	-	-	1	-	-	-	-
Goswell-street - -	8	8	-	-	-	-	1	-	-
Old-street - - -	11	7	-	-	-	1	1	-	-
City-road HL - -	17	5	-	-	-	-	1	-	-
Whitecross-street - -	14	10	-	-	-	-	1	-	-
Finsbury - - -	3	3	-	-	-	-	1	1	-
St. Botolph East London	14	10	-	1	1	-	2	1	-
Cripplegate - - -	9	9	-	-	-	-	-	-	-
West London North *WH*	6	11	-	-	-	-	-	-	-
West London South -	8	6	-	-	1	-	1	-	-
London City South-west	3	1	-	-	-	-	1	-	-
London City North-west	4	1	-	-	-	-	-	-	-
London City South -	1	-	-	-	-	-	-	-	-
London City South-east	-	-	-	-	-	-	-	-	-
London City North-east	6	5	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	11	5	-	-	1	-	-	-	-
St. Leonard Shrdtch. L†	11	13	-	-	1	-	-	-	-
Hoxton New Town *w* -	18	20	-	-	1	-	-	1	1
Hoxton Old Town - -	22	8	-	-	2	-	2	-	-
Haggerstone West *W* -	12	16	-	-	1	-	-	-	-
Haggerstone East - -	19	4	-	-	1	-	-	-	1
Hackney-road - -	24	12	-	-	1	-	-	-	-
Green, Bthnl. Grn.*WHL*†	34	20	-	-	1	-	2	-	-
Church, Bethnal Green -	24	5	-	-	1	-	1	1	-
Town, Bethnal Green -	17	11	-	-	-	-	-	1	-
Artillery Whitechapel -	4	3	-	-	-	-	-	-	-
Spitalfields - - -	6	7	-	-	-	-	1	1	-
Mile End New Town *W*	7	20	-	-	-	-	-	4	-
Whitechapel North -	7	3	-	-	1	-	-	1	-
Whitechapel Church H	7	16	-	-	-	-	-	-	-
Goodman's Fields - -	2	2	-	-	-	-	1	-	-
Aldgate - - - -	1	1	-	-	-	-	-	-	-
St. Mary St. Geo. East -	15	9	-	-	-	-	-	1	-
St. Paul St. Geo. East -	13	13	-	-	2	-	1	-	-
St. John St. Geo. East *W*	5	6	-	-	-	-	-	-	-
Shadwell *W* - - -	7	7	-	-	-	-	-	-	-
Ratcliff *W* - - -	9	3	-	-	-	-	-	-	-
Limehouse *W* - -	19	12	-	-	3	-	2	-	-
Mile End Old Town, West	24	14	-	-	1	-	-	1	-
Mile End Old T., East *Ww*	35	18	-	-	2	-	-	2	-
Bow *ww*L† - - -	60	25	-	-	1	-	1	-	-
Poplar *W* - - -	43	15	-	-	3	-	1	1	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	7	7	-	-	-	-	2	-	-
St. Saviour Southwark H	12	5	-	-	-	-	-	1	-
St. Olave Southwark H	5	17	-	-	-	-	-	1	-
St. John Horsleydown *W*	4	5	-	-	-	-	-	-	-
St. James Bermondsey -	43	13	-	-	1	-	2	1	-
St. Mary Magdalen *W* -	15	7	-	-	-	1	-	-	-
Leather Market - -	13	8	‡	-	-	-	-	-	-
Kent-road - - -	19	13	-	1	-	-	-	-	-
Borough-road *W* - -	9	3	-	-	-	-	-	-	-
London-road L - -	18	3	-	-	-	-	-	-	-
Trinity Newington -	24	5	-	-	-	-	-	-	-
St. Peter Walworth *W*	36	23	-	-	-	-	3	-	-
St. Mary Newington H	12	14	-	-	2	-	-	-	-
Waterloo-road 1st -	13	11	-	-	-	-	1	-	-
Waterloo-road 2nd -	23	12	-	1	1	-	-	2	-
Lambeth Church 1st -	18	9	-	-	-	-	2	1	-
Lambeth Church 2nd *W*	35	16	-	1	-	-	2	2	-
Kennington 1st - -	39	8	1	-	-	-	2	-	-
Kennington 2nd - -	14	9	-	-	-	-	1	-	-
Brixton - - - -	26	13	2	-	-	-	-	-	-
Norwood *W* - - -	10	8	-	-	-	-	-	-	-
Clapham - - -	20	8	-	-	-	-	-	-	-
Battersea *Ww* - -	35	12	-	-	-	-	-	-	-
Wandsworth L - -	11	4	-	2	-	-	-	-	-
Putney - - - -	7	3	-	-	-	1	-	1	-
Streatham - - -	6	4	-	-	-	-	-	-	-
Dulwich - - -	-	1	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	21	23	-	1	-	-	-	-	-
Peckham - - -	20	15	-	1	-	-	1	-	-
St. George Camberwell -	30	18	1	1	1	-	-	-	-
Rotherhithe *W* - -	17	14	-	-	1	-	1	2	-
St. Paul Deptford - -	37	28	-	-	2	-	2	-	-
St. Nicholas Deptford -	3	4	-	-	-	-	-	1	-
Greenwich West H -	8	8	-	-	-	-	-	1	-
Greenwich East *WH* -	13	19	-	-	-	-	-	1	-
Eltham - - - -	1	-	-	-	-	-	-	-	-
Lee - - - -	5	8	-	1	-	-	-	-	-
Lewisham Village *W* -	11	8	-	-	-	-	-	-	-
Sydenham - - -	16	7	-	1	-	1	-	1	-
Charlton H - - -	5	4	-	-	-	-	-	1	-
Woolwich Dockyard H	18	13	-	-	-	-	1	1	-
Woolwich Arsenal H -	21	4	-	-	-	-	-	-	-
Plumstead, West - -	9	8	-	-	-	-	-	-	-
Plumstead, East - -	10	2	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex - ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ The return for the sub-district of Leather Market contains *two* deaths from *scarlet fever* and *one* death from *diarrhœa*.

DEATHS in LONDON, from ALL CAUSES, Registered in the SIXTH WEEK of each of the following Years.

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 12 1859	Feb. 11 1860	Feb. 9 1861	Feb. 8 1862	Feb. 7 1863	Feb. 13 1864	Feb. 11 1865	Feb. 10 1866	Feb. 9 1867	Feb. 8 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 13, 1869. Deaths of Persons of the Ages — ALL AGES. Mean Temp.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	42°·4	36° 7	42°·9	43°·2	45°·3	34°·6	35°·3	45°·8	43°·4	41°·2	41°·1	47°·5						
	ALL CAUSES . . .	1274	1442	1459	1384	1310	1647	1589	1316	1567	1394	1438·2	1426†	570	668	216	233	252	49
	SPECIFIED CAUSES .	1251	1434	1446	1319	1301	1620	1499	1307	1551	1391	1411·9	1413	567	665	216	232	251	49
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	345	266	280	322	348	331	352	293	293	278	310·8	307	198	239	31	19	17	1
II.	CONSTITUTIONAL „ .	253	231	285	233	221	285	273	264	281	258	258·4	249	62	84	76	70	19	..
III.	LOCAL „ .	472	710	656	550	552	747	656	540	680	622	618·5	653	200	229	91	136	173	24
IV.	DEVELOPMENTAL „ .	137	182	160	175	132	205	173	160	196	163	168·3	162	89	91	6	2	39	24
V.	VIOLENT DEATHS . .	44	45	65	39	48	52	45	50	101	70	55·9	42	18	22	12	5	3	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	322	249	249	304	329	304	323	258	258	248	284·4	283	181	222	28	16	16	1
	2. ENTHETIC „ . .	7	4	12	3	7	8	6	9	13	12	8·1	14	10	10	1	2	1	..
	3. DIETIC „ . .	13	13	17	13	9	14	22	19	19	15	15·4	10	7	7	2	1	..	..
	4. PARASITIC „ . .	3	..	2	2	3	5	1	7	3	3	2·9	..	..	..	..	..	..	..
II.	1. DIATHETIC „ . .	44	46	63	47	41	56	59	43	38	42	47·9	43	2	2	5	25	11	..
	2. TUBERCULAR „ . .	209	185	222	186	180	229	214	221	243	216	210·5	206	60	82	71	45	8	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	120	150	177	143	148	168	153	146	184	177	156·6	151	60	70	16	23	33	9
	2. „ OF ORGANS OF CIRCULATION .	50	77	50	61	68	61	83	67	81	57	65·5	88	2	5	21	32	28	2
	3. „ OF RESPIRATORY ORGANS . .	241	401	362	263	250	427	334	237	340	284	313·9	327	126	136	30	59	90	12
	4. „ OF DIGESTIVE ORGANS . . .	38	51	39	43	49	56	56	62	42	61	49·7	45	6	9	5	15	16	..
	5. „ OF URINARY ORGANS . . .	12	23	16	29	19	20	18	22	22	29	21·0	26	2	5	9	6	6	..
	6. „ OF ORGANS OF GENERATION .	3	2	4	3	6	7	4	2	4	4	3·9	4	..	..	3	1	..	..
	7. „ OF ORGANS OF LOCOMOTION .	3	4	4	2	3	6	3	4	2	3	3·4	5	..	..	5	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	5	2	4	6	9	2	5	..	5	7	4·5	7	4	4	2	..	..	1
IV.	1. DEV. DISEASES F CHILDREN	40	39	40	51	35	56	52	42	46	33	43·4	47	47	47	..	..	..	..
	2. „ OF ADULTS .	2	7	6	8	10	7	8	5	2	2	5·7	6	..	..	6	..	..	..
	3. „ OF OLD PEOPLE	57	66	61	61	53	89	63	58	79	66	65·3	58	..	..	..	..	34	24
	4. DISEASES OF NUTRITION .	38	70	53	55	34	53	50	55	69	62	53·9	51	42	44	..	2	5	..
V.	*1 ACCIDENT OR NEGLIGENCE .	34	37	56	35	39	44	36	41	98	59	47·9	33	15	19	9	2	3	..
	3. HOMICIDE	2	2	6	1	1	5	7	3	1	3	3·1	5	3	3	..	2	..	..
	4. SUICIDE	8	6	3	3	8	3	2	6	2	7	4·8	4	..	..	3	1	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	9	6	6	5	6	3	4	6	3	..	4·8	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	14	2	7	60	3	24	86	3	13	3	21·5	13†	3	3	..	1	1	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.
† An average of 8 is added, without distinction of ages. See note *, page 44.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 12 1859	Feb. 11 1860	Feb. 9 1861	Feb. 8 1862	Feb. 7 1863	Feb. 13 1864	Feb. 11 1865	Feb. 10 1866	Feb. 9 1867	Feb. 8 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 13, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	42°·4	36°·7	42°·9	43°·2	45°·3	34°·6	35°·3	45°·8	43°·4	41°·2	41°·1	Mean Temp 47°·5						
I.	ORDER 1.																		
	1. Small-pox	29	37	10	1	28	8	13	5	47	22	20·0	6	3	4	1	1	..	..
	2. Measles	27	24	30	7	25	32	30	35	10	30	25·0	25	25	25	..	..	..	..
	3. Scarlet Fever (Scarlatina)	70	47	22	83	61	55	45	37	22	27	46·9	56	45	53	3	..	..	..
	4. Diphtheria	19	11	7	22	18	6	13	8	11	12	12·7	9	4	8	1	..	..	..
	5. Quinsy	3	1	3	1	1	..	..	1	1	1	1·2	..	..	..	..	..	..	..
	6. Croup	17	13	24	16	28	17	25	20	15	16	19·1	19	15	19	..	..	..	..
	7. Whooping-cough	67	47	81	65	66	65	82	58	68	64	66·3	72	69	72	..	..	..	..
	8. Typhus												20	2	8	5	6	1	..
	— Enteric Fever	46	29	26	63	63	72	65	55	42	33	49·4	21	2	9	8	2	1	1
	— Simple continued Fever												14	6	7	3	1	3	..
	9. Erysipelas	7	5	8	9	8	13	13	6	8	7	8·4	8	2	2	..	2	4	..
	10. Puerperal Fever (Metria)	5	7	3	4	1	3	8	3	2	6	4·2	4	..	..	4	..	..	..
	11. Carbuncle	1	1	1	..	2	..	1	2	1	2	1·1	2	..	..	..	..	2	..
	12. Influenza	2	5	3	1	3	6	1	1	..	2	2·4	2	1	1	..	..	1	..
	13. Dysentery	3	1	3	4	2	3	2	1	4	2	2·5	1	..	..	..	..	1	..
	14. Diarrhœa	18	11	20	18	15	10	14	15	18	15	15·4	8	5	6	..	..	2	..
	15. Simple Cholera	..	..	1	2	..	..	..	..	..	..	·3	1	1	1	..	..	..	..
	16. Ague	..	..	1	..	..	..	..	..	1	1	·3	..	..	..	..	..	..	..
	17. Remittent Fever	1	3	1	1	3	2	..	1	..	..	1·2	1	..	..	..	..	1	..
	18. Rheumatism	7	7	5	7	5	12	11	9	8	8	7·9	13	..	6	3	4	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	1	..	..	·1	1	1	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	6	4	9	2	6	5	5	8	11	9	6·5	11	10	10	1	..	..	..
	2. Stricture of Urethra	1	..	3	..	1	3	1	..	2	2	1·3	3	..	..	..	2	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	1	..	..	..	1	..	1	·3	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	1	2	..	1	..	1	2	1	3	1·2	..	..	..	..	..	..	..
	2. Want of Breast-milk	10	7	10	10	5	6	14	11	14	7	9·4	7	7	7	..	..	..	..
	3. Purpura and Scurvy	..	1	1	1	2	1	1	1	2	2	1·2	1	..	..	..	1	..	..
	4. Alcoholism *a* Del. Tremens	..	2	3	2	..	7	2	1	2	2	2·1	2	..	..	2	..	..	..
	4. Alcoholism *b* Intemperance	2	2	1	..	1	..	4	4	..	1	1·5	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	2	..	2	2	3	5	1	7	3	3	2·8	..	..	..	..	..	..	..
	2. Worms, &c.	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	..	2	2	1	2	2	..	..	2	1·2	4	..	..	..	3	1	..
	2. Dropsy	16	14	24	15	15	19	21	11	10	10	15·5	8	1	1	..	4	3	..
	3. Cancer	21	25	31	23	20	32	30	29	24	27	26·2	27	..	..	5	17	5	..
	4. Cancrum Oris (Noma)	..	..	..	..	2	..	..	..	..	..	·2	..	..	..	..	..	..	..
	5. Mortification	6	7	6	7	3	3	6	3	4	3	4·8	4	1	1	..	1	2	..
	ORDER 2.																		
	1. Scrofula	12	11	10	13	8	9	6	15	6	4	9·4	6	3	5	1	..	..	..
	2. Tabes Mesenterica	9	15	23	6	18	12	9	19	16	16	14·3	18	15	18	..	..	..	..
	3. Phthisis	149	129	165	143	125	183	167	154	192	167	157·4	144	8	21	70	45	8	..
	4. Hydrocephalus	39	30	24	24	29	25	32	33	29	29	29·4	38	34	38	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	6	9	11	10	9	9	11	13	13	16	10·7	15	9	12	..	3	..	..
	2. Apoplexy	30	27	36	43	30	40	36	33	26	25	32·6	33	1	3	3	8	15	4
	3. Paralysis	20	29	33	25	24	34	27	23	35	35	28·5	33	..	..	5	8	15	5
	4. Insanity	3	3	2	1	1	4	1	..	4	3	2·2	..	..	..	..	..	..	..
	5. Chorea	..	..	1	..	..	..	..	1	..	..	·2	1	..	1	..	..	..	..
	6. Epilepsy	6	8	7	8	5	7	8	4	5	11	6·9	5	..	1	3	1	..	..
	7. Convulsions	38	49	59	34	47	52	51	56	83	66	53·5	49	49	49	..	..	..	..
	8. *Brain Disease, &c.*	17	25	28	22	32	22	19	16	18	21	22·0	15	1	4	5	3	3	..
	ORDER 2.																		
	1. Pericarditis	..	6	..	1	1	1	4	1	2	3	1·9	6	1	1	2	2	1	..
	2. Aneurism	2	4	2	3	1	..	1	..	..	2	1·5	4	..	..	2	2	..	..
	3. *Heart Disease, &c.*	48	67	48	57	66	60	78	66	79	52	62·1	78	1	4	17	28	27	2
	ORDER 3.																		
	1. Laryngitis	11	8	16	9	5	5	4	9	10	8	8·5	7	4	6	..	..	1	..
	2. Bronchitis	135	217	210	178	154	277	226	145	204	169	191·5	209	75	75	15	41	68	10
	3. Pleurisy	3	2	3	1	7	5	1	3	4	3	3·2	3	..	2	1	..	..	..
	4. Pneumonia	71	144	94	49	62	83	75	67	87	76	80·8	84	44	50	8	10	14	2
	5. Asthma	11	23	32	14	10	35	13	5	15	13	17·1	11	..	..	..	6	5	..
	6. *Lung Disease, &c.*	10	7	7	12	12	22	15	8	20	15	12·8	13	3	3	6	2	2	..
	ORDER 4.																		
	1. Gastritis	4	3	..	3	3	2	4	1	1	1	2·2	5	..	..	..	2	3	..
	2. Enteritis	5	4	3	5	4	5	5	5	4	7	4·7	7	2	4	..	1	2	..
	3. Peritonitis	7	2	3	1	2	6	3	10	3	7	4·4	2	..	..	2	..	..	..
	4. Ascites	..	4	3	3	2	2	2	1	2	1	2·0	..	..	..	..	..	..	..
	5. Ulceration of Intestines	..	3	3	..	4	3	..	6	5	3	2·7	2	..	..	..	..	2	..
	6. Hernia	3	3	3	5	3	3	3	3	2	1	2·9	2	..	..	..	..	2	..
	7. Ileus	1	3	3	..	4	..	4	1	2	4	2·2	2	..	1	..	..	1	..
	8. Intussusception	..	..	1	..	..	1	..	3	1	1	·7	2	2	2	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism:" of "hæmorrhage" and "abscess"

the SIXTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 12 1859	Feb. 11 1860	Feb. 9 1861	Feb. 8 1862	Feb. 7 1863	Feb. 13 1864	Feb. 11 1865	Feb. 10 1866	Feb. 9 1867	Feb. 8 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 13, 1869. ALL AGES.	Deaths of Persons of the Ages Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	42°·4	36°·7	42°·9	43°·2	45°·3	34°·6	35°·3	45°·8	43°·4	41°·2	41°·1	47°·5						
	9. Stricture of Intestines	..	2	1	1	1	..	1	1	1	2	1·0	1	..	..	..	1	..	..
	10. Fistula	..	..	1	..	..	1	1	..	..	1	·4	1	..	..	1	..	..	..
	11. *Stomach Disease, &c.*	5	3	3	6	4	7	9	6	3	10	5·6	5	..	..	..	3	2	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	13. Hepatitis	2	4	3	4	4	4	3	1	2	2	2·9	1	..	..	..	..	1	..
	14. Jaundice	3	3	1	4	2	3	2	5	3	3	2·9	4	2	2	1	..	1	..
	15. *Liver Disease, &c.*	8	17	11	11	16	18	19	19	12	17	14·8	11	..	..	1	8	2	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	1	..	..	1	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	1	4	1	1	3	..	..	1	1	2	1·4	2	..	1	1	..	..	..
	2. Ischuria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	5	7	8	13	7	9	7	10	7	10	8·3	13	1	2	6	3	2	..
	4. Diabetes	..	..	1	2	1	1	1	1	3	..	1·0	2	..	..	1	1	..	..
	5. Calculus (Stone)	..	..	1	2	..	1	..	1	..	3	·8	1	1	1	..	..	..	..
	6. Cystitis	1	1	..	..	3	3	..	1	2	2	1·3	1	..	1	..	..	..	..
	7. *Kidney Disease, &c.*	5	11	5	11	5	6	10	8	9	12	8·2	7	..	..	1	2	4	..
	ORDER 6.																		
	1 Ovarian Dropsy	..	..	1	..	2	1	..	..	..	..	·4	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	3	2	3	3	4	6	4	2	4	4	3·5	4	..	..	3	1	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	1	..	..	..	·1	1	..	..	1	..	..	..
	2. *Joint Disease, &c.*	3	4	4	2	3	6	2	4	2	3	3·3	4	..	..	4	..	..	..
	ORDER 8.																		
	1. Phlegmon	3	1	3	3	3	..	3	..	3	2	2·1	3	1	1	2	..	..	..
	2. Ulcer	1	..	..	2	3	..	..	..	1	5	1·2	2	1	2	..	..	..	..
IV.	3. *Skin Disease, &c.*	1	1	1	1	3	2	2	..	1	..	1·2	2	2	1	..	..	..	1
	ORDER 1.																		
	1. Premature Birth	18	17	17	19	13	30	22	21	19	17	19·3	16	16	16	..	..	..	..
	2. Cyanosis	1	2	6	3	6	3	4	..	1	3	2·9	2	2	2	..	..	..	..
	3. Spina Bifida	..	..	2	1	..	2	2	2	3	1	1·3	1	1	1	..	..	..	..
	4. Other Malformations	..	2	1	3	..	3	..	1	1	..	1·1	3	3	3	..	..	..	..
	5. Teething	21	18	14	25	16	18	24	18	22	12	18·8	25	25	25	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	1	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	2	7	6	7	10	7	8	5	2	2	5·6	6	..	..	6	..	..	..
	ORDER 3.																		
	1. Old Age	57	66	61	61	53	89	63	58	79	66	65·3	58	..	..	..	..	34	24
	ORDER 4.																		
	1. Atrophy and Debility	38	70	53	55	34	53	50	55	69	62	53·9	51	42	44	..	2	5	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	11	13	21	13	7	11	10	25	19	28	15·8	11	2	3	3	2	3	..
	2. Wounds	1	1	1	..	1	..	..	..	..	..	·4	..	..	..	..	..	..	..
	3. Burns and Scalds	4	8	13	7	10	16	7	3	15	10	9·3	10	7	9	1	..	..	..
	4. Poison	1	..	1	..	1	1	..	..	3	1	·8	..	..	..	..	..	..	..
	5. Drowning	10	7	5	5	7	5	3	2	46	4	9·4	4	..	1	3	..	..	..
	6. Suffocation	6	7	15	9	11	5	14	11	14	12	10·4	6	6	6	..	..	..	..
	7. Otherwise	1	1	..	1	2	6	2	..	1	4	1·8	2	..	..	2	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	2	6	1	1	5	7	3	1	3	3·1	5	3	3	..	2	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	1	..	..	..	..	..	..	..	..	·1	1	..	..	1	..	..	..
	1. Wounds { Cut, Stab	2	2	..	..	2	1	1	2	..	..	1·0	2	..	..	1	1	..	..
	2. Poison	4	..	..	..	2	1	..	..	..	..	·7	..	..	..	..	..	..	..
	3. Drowning	..	1	1	..	3	..	1	1	..	1	·8	1	..	..	1	..	..	..
	4. Hanging	2	2	2	2	1	1	..	3	1	5	1·9	..	..	..	..	..	..	..
	5. Otherwise	..	..	..	1	..	..	..	..	1	1	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	9	6	6	5	6	3	4	6	3	..	4·8	..	..	..	..	..	..	..
	Causes not specified or ill-defined	14	2	7	60	3	24	86	3	13	3	21·5	13†	3	3	..	1	1	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2: 2.

† An average of 8 is added, without distinction of ages. See note *, page 44.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 13th February, 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	'Difference between Dew Point Temperature and Air Temperature. Mean daily value.	'Difference between Dew Point Temperature and Air Temperature. Greatest.	'Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Osler's. General Direction. P.M.	Osler's. Pressure on square foot. Greatest.	Osler's. Pressure on square foot. Least.	Osler's. Pressure on square foot. Mean of 24 Obs.	Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
February.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°							lbs.	lbs.	lbs.	Miles.	Inches	
Sunday .	7	..	29·773	54·6	43·5	11·1	50·0	44·1	90·6	40·1	47·4	45·4	5·9	9·6	1·1	+11·2	80	SW & WSW	SW.	30·+	0·2	3·0	648	0·00	4
Monday .	8	Greatest Dec. S.	29·460	55·3	44·5	10·8	50·8	49·2	59·7	43·2	47·9	45·4	1·6	3·6	0·0	+11·9	95	SW.	SW.	30·+	1·1	6·1	786	0·02	6
Tuesday .	9	..	29·598	51·1	45·5	5·6	47·2	40·0	63·0	39·8	48·4	46·4	7·2	11·2	5·0	+ 8·3	76	WSW.	W. & WSW.	30·+	0·5	3·5	753	0·08	2
Wednesday	10	..	29·771	54·8	46·4	8·4	50·4	45·5	93·8	40·1	47·9	46·4	4·9	8·2	1·6	+11·6	83	WSW.	WSW.	26·5	0·4	2·7	637	0·00	4
Thursday .	11	New	29·912	56·2	45·5	10·7	50·6	47·6	64·2	44·0	48·4	46·9	3·0	6·4	0·8	+12·0	89	WSW.	WSW.	2·4	0·0	0·5	338	0·10	1
Friday . .	12	..	29·563	50·9	36·5	14·4	43·1	42·5	55·0	34·2	47·9	45·9	0·6	2·9	0·0	+ 4·7	98	SW. & ENE.	SW. & NW.	14·0	0·0	1·1	371	0·77	2
Saturday .	13	Apogee	30·189	48·2	31·7	16·5	40·1	34·9	84·7	27·1	47·9	45·4	5·2	13·0	0·0	+ 1·8	82	WSW. & N.	NW. & WSW.	1·1	0·0	0·2	261	0·00	0
Means . .		..	29·752	53·0	41·9	11·1	47·5	43·4	73·0	38·4	48·0	46·0	4·1	7·8	1·2	+ 8·8	86	WSW. & SW.		..	..	..	Sum 3794	Sum 0·97	2·7
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. February.		Electricity.	Sky and Atmosphere.
Sunday .	7	Weak positive was shown about noon.	Very fine and partially cloudy till the afternoon; overcast afterwards. A gale prevailed from S.W.
Monday .	8	The insulating lamp was not burning.	Overcast. Occasional rain. A violent gale prevailed throughout.
Tuesday .	9		Generally cloudy till evening, and rain fell frequently; cloudless at night. Auroral light was seen between 9h. P.M. and 10h. P.M. The gale continued.
Wednesday	10		Generally cloudy. The gale moderated by the evening of this day.
Thursday .	11		Overcast. Rain fell occasionally.
Friday .	12		Overcast till evening, and rain fell very heavily; cloudless, but hazy at night. A gale, at first from S.W. till 4h. 45m. P.M., and afterwards from N.W. from 4h. 50m. P.M., prevailed during the afternoon and evening. Snow fell at Cambridge, Birmingham, and Bristol.
Saturday .	13	The lamp was lighted after noon, but no electricity was shown.	Generally cloudy till within a short time of noon; cloudless till 5h. P.M.; partially cloudy afterwards.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average.

The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·91 in. at the beginning of the week to 29·38 in. by 9h. P.M. on the 8th; increased to 29·82 in. by 9h. P.M. on the 9th; decreased to 29·77 in. by 3h. P.M. on the 10th; increased to 29·95 in. by 9h. P.M. on the 11th; decreased to 29·13 in. by 4h. 45m. P.M. on the 12th; and suddenly turned to increase very rapidly, was 29·49 in. at 6h. P.M., 29·62 in. at 7h. P.M. on the same day; and was 30·24 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.



By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 7. 1869. Vol. XXX.] Week ending Saturday, February 20. [Price 1*d.*

General Register Office, Somerset House,
22d February 1869.

In the week that ended on Saturday, 20th February, 5026 births, and 3339 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 27 per 1000 persons living.

The annual rate of mortality last week was 25 per 1000 in London, 30 in Edinburgh, and 27 in Dublin; 24 in Bristol, 20 in Birmingham, 27 in Liverpool, 29 in Manchester, 31 in Salford, 30 in Sheffield, 30 in Bradford, 25 in Leeds, 32 in Hull, 38 in Newcastle-upon-Tyne, and 35 in Glasgow. The rate in Vienna was 35 per 1000 during the week ending the 13th inst., and in Berlin 33 per 1000 during the seven days ending the 18th instant.

In London the births of 1209 boys and 1192 girls, in all 2401 children, were registered in the week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2279.

The deaths registered in London during the week were 1491. It was the seventh week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1522. The deaths in the present return are less by 31 than the estimated amount, but exceed by 65 the number recorded in the preceding week.

The deaths from zymotic diseases were 318, the corrected average number being 314. Six deaths from small-pox, 15 from measles, 39 from scarlet fever, 10 from diphtheria, 82 from whooping-cough, 23 from typhus fever, 37 from enteric fever, 19 from simple continued fever, and 14 from diarrhœa were registered.

Strong testimony to the beneficial effect of vaccination is furnished by the fact that only 74 deaths have occurred from small-pox during the last 13 weeks, in an estimated population of more than three millions. Of the six deaths from small-pox recorded last week, 5 occurred in the south districts of the metropolis.

The deaths from measles and scarlet fever were less numerous than in many preceding weeks.

The mortality from fever exhibits a considerable increase; a comparison of the deaths from fever, with those recorded in the preceding week shows an increase of 24 on the total number, an increase of 3 deaths from typhus fever, an increase of 16 from enteric fever, and an increase of 5 from simple continued fever. Nine cases were recorded in the West districts, 18 in the North (where the London Fever Hospital is situated), 9 in the Central, 23 in the East, and 20 in the South districts.

Whooping-cough is most fatal in the North and South districts.

The deaths of 2 persons who suffered from privation, of 9 infants and 2 adults from syphilis, of 3 persons from alcoholism, of 7 children from burns or scalds, of 4 persons from drowning, of 6 infants from suffocation, and of 9 persons who committed suicide were recorded.

The following deaths of 5 persons killed by vehicles in the streets were registered:—

The widow of a plumber, aged 53 years, knocked down by a hansom cab. Died on 11th February, at 20 Arthur-terrace, Islington. *Post mort.* (*Inquest.*)

The son of a baker, aged 4 years, died on 13th February, at Wandsworth, from "scalp wound and fracture at base of the skull by the wheel of a spring cart passing over his head." (*Inquest.*)

The son of a waterman, aged 12 years, crushed by a van against a lamp-post. Died on 12th February, at 3 Spring-gardens, Putney. (*Inquest.*)

The son of a wine-cooper, aged 3 years, run over by a cart, on 11th February, in the Albany-road, Camberwell. Died in a few minutes. (*Inquest.*)

The widow of a boatswain (R.N.), aged 80 years, run over by a van on 15th February at Rotherhithe. Died instantly. (*Inquest.*)

The registered numbers of persons of all ages, killed during 7 weeks, in the streets were 29; the calculated numbers under the present law were 27, so that the danger is increasing. The 16 expected to die by street violence, if uninter-

rupted in the next lunar month, will raise the list of killed successively to 31, 35, 39, and 43.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·856 in. The barometrical reading decreased from 30·24 in. on Monday, 15th February, to 29·52 in. on Thursday, 18th February. The mean temperature of the air in the week was 45·5°, which is 7·2° above the average of the same week in 50 years (as determined by Mr. Glaisher). On Sunday, 14th February, the mean temperature was 7·7°, on Monday, 15th February, 8·6°, on Tuesday, 16th February, 10·1°, and on Wednesday, 17th February, 10·4° above the average. The highest day temperature was 53·9° on Monday, 15th February, and Wednesday, 17th February. The lowest night temperature was 33·2° on Friday, 19th February. The entire range of temperature in the week was, therefore, 20·7°. The mean of the highest temperatures of the water of the Thames was 46·0°; that of the lowest was 44·1°. The difference between the mean dew-point temperature and air temperature was 4·8°. The mean degree of humidity of the air was 83, complete saturation being represented by 100. Rain fell to the amount of 0·17 in. The general direction of the wind was W.S.W. and S.W. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 263,692 cubic metres, and at Barking 163,588 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Seventh Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1940	1880	1792	1966	2108	2122	2034	2093	2430	2352	2071·7	2401
Males . .	996	950	889	1018	1092	1086	1044	1069	1244	1238	1062·6	1209
Females . .	944	930	903	948	1016	1036	990	1024	1186	1114	1009·1	1192
Total Deaths	1156	1454	1328	1345	1346	1586	1567	1365	1389	1307	1384·3	1491
Males . .	586	757	643	672	677	821	774	698	706	678	701·2	788
Females . .	570	697	685	673	669	765	793	667	683	629	683·1	703

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Nov. 28.	Dec. 5.	Dec. 12.	Dec. 19.	Dec. 26.	Jan. 2.	Jan. 9.	Jan. 16.	Jan. 23.	Jan. 30.	Feb. 6.	Feb. 13	Feb. 20.
Deaths - - -	1561	1672	1486	1558	1262	1629	1501	1490	1578	1737	1631	1426	1491
Deaths under 20 years of age	746	816	743	763	599	770	740	716	721	724	723	670	697
Deaths 20—40 - - -	234	215	205	261	201	221	219	210	220	222	221	218	223
Deaths 40–60 - - -	231	268	211	228	216	296	217	243	268	323	276	235	268
Deaths at 60 years of age and upwards - - -	350	373	327	306	246	342	325	321	369	468	411	303	303
Deaths from Smallpox - -	3	8	..	5	6	7	6	3	10	5	9	6	6
„ „ Measles - -	39	31	34	33	17	35	24	20	28	26	17	25	15
„ „ Scarlet Fever -	99	107	108	100	67	83	69	64	64	53	45	56	39
„ „ Diphtheria -	13	9	15	17	8	10	8	8	5	6	3	9	10
„ „ Whooping-cough	30	46	43	30	33	49	62	51	63	85	64	72	82
„ „ Fever - -	59	59	62	61	54	56	60	59	46	69	63	55	79
„ „ Diarrhœa - -	12	11	7	11	10	9	12	12	16	12	9	8	14
„ „ Phthisis - -	192	187	125	166	136	188	153	158	198	194	174	144	189
„ „ Bronchitis - -	217	270	194	190	147	196	213	197	249	293	275	209	171
„ „ Pneumonia -	110	121	122	117	82	98	112	100	89	100	102	84	74
„ „ Heart Disease -	64	89	67	75	61	85	64	92	81	95	81	78	77
Mean Temperature of the Air	42°5	45°6	47°6	47°5	44°2	41°0	45°7	40°4	36°6	40°7	49°2	47°5	45°5
Mean Temperature of the Water of the Thames -	42·6	42·8	45·3	45·6	43·8	40·5	40·3	42·9	42·0	37·6	44·9	47·0	45·0
Humidity of the Air - -	92	91	87	90	89	89	92	94	87	77	85	86	83
Rain-fall in inches - -	0·88	0·31	1·30	0·92	1·57	1·53	1·15	0·23	0·13	1·03	0·65	0·97	0·17

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

* The returns for the sub-districts of Bow and Wandsworth were not received when the tables were under preparation, but averages of 35 and 8 respectively are substituted for the true numbers, which are 33 for the sub-district of Bow and 10 for the sub-district of Wandsworth.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 20th day of February 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 20th Feb.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 20th Feb.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Temperature of the Air. (Fahrenheit.) Lowest during the Week.	Temperature of the Air. (Fahrenheit.) Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	Rain Fall. In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Temperature of the Air. (Centigrade.) Lowest during the Week.	Temperature of the Air. (Centigrade.) Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**5026**	**3244**	**3339**	**56·0**	**28·0**	**45·1**	**0·26**	**26**	**13·33**	**−2·22**	**7·28**	**66**
London (Metropolis)	3,170,754	40·7	2070	2401	1462	1491	53·9	33·2	45·5	0·17	17	12·17	0·67	7·50	43
Bristol (City)	169,423	36·1	109	147	76	77 *	53·9	32·7	45·1	0·29	29	12·17	0·39	7·28	74
Birmingham (Borough)	360,846	46·1	283	313	175	136	52·0	36·0	45·1	0·26	26	11·11	2·22	7·28	66
Liverpool (Borough)	509,052	99·7	345	385	295	267	53·7	38·0	46·4	0·20	20	12·06	3·33	8·00	51
Manchester (City)	370,892	82·7	277	261	210	204 *	..	..	..	..	..	..	..	..	..
Salford (Borough)	119,350	23·1	89	100	60	71	53·0	33·0	44·7	0·53	54	11·67	0·56	7·06	135
Sheffield (Borough)	239,752	10·5	196	220	126	140	53·0	34·4	45·4	0·29	29	11·67	1·33	7·44	74
Bradford (Borough)	138,522	21·0	105	79	71	79	..	..	..	..	..	..	..	..	..
Leeds (Borough	253,110	11·7	189	251	129	122	54·0	38·0	47·2	0·17	17	12·22	3·33	8·44	43
Hull (Borough)	126,682	35·6	83	86	59	78	54·0	28·0	44·0	0·17	17	12·22	2·22	6·67	43
Newcastle-on-Tyne (Borough)	130,503	24·5	90	95	69	94	53·0	34·0	43·6	0·00	0	11·67	1·11	6·45	0
Edinburgh (City)	178,002	40·2	112	130	86	104	51·7	33·0	42·7	0·80	81	10·95	0·56	5·95	203
Glasgow (City)	458,937	90·6	374	344	268	309	53·6	36·7	44·2	0·05	5	12·01	2·61	6·78	13
Dublin (City and some suburbs)	320,762	32·9	219	214	158	167	56·0	33·0	47·1	0·21	21	13·33	0·56	8·39	53
				Week ending 13th Feb. 1869.		Week ending 13th Feb. 1869.	Week ending 13th February 1869.					Week ending 13th February 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 18th Feb. 1869.		Week ending 18th Feb. 1869.	Week ending 18th February 1869.					Week ending 18th February 1869.			
Berlin (City)	(1867) 702,437	..	..	..	..	..	..	..	..	..	..	..	..	..	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith. Esq., Birmingham: J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland. the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 20th February, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2401	1491	6	15	39	10	82	79	14
WEST DISTRICTS -	363	269	1	1	5	1	12	9	2
NORTH DISTRICTS -	552	341	-	3	12	4	21	18	3
CENTRAL DISTRICTS	208	175	-	3	4	2	8	9	1
EAST DISTRICTS -	512	310	-	4	13	2	14	23	2
SOUTH DISTRICTS -	766	396	5	4	5	1	27	20	6
WEST DISTRICTS.									
St. Mary Paddington *WH*	52	25	-	1	-	-	1	2	-
St. John Paddington H	17	17	-	-	-	-	-	-	-
Kensington Town *W* -	60	59	-	-	2	-	3	1	1
Brompton H - -	12	7	-	-	-	-	-	1	-
St. Peter Hammersmith	2	4	-	-	-	-	-	-	-
St. Paul Hammersmith	23	6	-	-	-	-	-	-	-
Fulham *W* - - -	19	11	-	-	-	-	1	-	-
Chelsea South H - -	19	15	1	-	-	-	-	-	-
Chelsea North-west H*Ww*	16	16	-	-	-	-	-	-	-
Chelsea North-east -	17	2	-	-	-	-	1	-	-
Hanover Square - -	11	6	-	-	-	-	-	-	-
May Fair *W* - -	12	15	-	-	-	-	-	1	-
Belgrave H - - -	23	19	-	-	1	1	1	1	-
St. John Westminster -	32	15	-	-	1	-	2	1	1
St. Margaret West. *WH*	19	23	-	-	-	-	-	2	-
St. James's Square -	3	5	-	-	-	-	-	-	-
Golden Square *W* -	9	8	-	-	-	-	-	-	-
Berwick-street - -	4	5	-	-	-	-	-	-	-
St. Anne Soho - -	13	9	-	-	1	-	3	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	14	15	-	-	1	-	1	-	-
Cavendish Square - -	5	2	-	-	-	-	-	-	-
Rectory Marylebone *W*	26	24	-	-	-	-	-	-	-
St. Mary Marylebone -	35	7	-	-	-	-	2	-	-
Christchurch Marylebone	27	19	-	-	1	-	3	-	-
St. John Marylebone -	11	11	-	-	-	-	1	2	-
Hampstead *W* - -	18	11	-	-	1	-	-	-	-
Regent's Park Pancras -	28	12	-	-	1	-	-	-	-
Tottenham-court *w*H -	28	13	-	-	-	-	-	-	-
Gray's Inn Lane H -	21	12	-	-	-	-	1	1	-
Somers Town - -	31	18	-	-	-	-	2	-	-
Camden Town *W* -	15	18	-	-	-	2	-	-	-
Kentish Town - -	43	20	-	-	-	1	-	1	1
Islington West* *WHH*	78	59	-	-	4	-	4	12	-
Islington East *Ww* -	92	45	-	2	3	-	1	1	2
Stoke Newington - -	2	3	-	-	-	-	-	-	-
Stamford Hill - -	2	3	-	1	-	-	1	-	-
West Hackney - -	27	15	-	-	-	-	1	1	-
Hackney *WHw* - -	26	24	-	-	1	-	2	-	-
South Hackney L -	23	10	-	-	-	1	2	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	15	12	-	-	-	-	-	-	-
St. Giles South *W* -	16	19	-	-	-	-	2	-	-
St. Giles North - -	9	9	-	-	1	1	-	1	-
Long Acre - - -	5	4	-	-	-	-	-	1	-
Charing Cross *WH* -	1	8	-	-	-	-	-	-	-
St. Mary-le Strand -	4	2	-	-	-	-	-	-	-
St. Clement Danes H -	6	4	-	-	-	1	-	1	-
St. George-the-Martyr H	12	16	-	-	-	-	-	2	-
St. Andrew, East Holb. *W*	13	8	-	-	-	-	-	1	-
Saffron Hill - - -	5	2	-	-	-	-	-	-	-
St. James Clerkenwell *W*	15	7	-	-	-	-	-	-	-
Amwell Clerkenwell -	7	4	-	-	-	-	-	-	-
Pentonville - - -	9	5	-	-	-	-	1	-	-
Goswell street - -	4	8	-	-	-	-	-	-	-
Old-street - - -	9	3	-	-	-	-	-	-	-
City-road HL - -	23	11	-	-	-	-	1	-	-
Whitecross-street - -	8	10	-	2	-	-	3	-	-
Finsbury - - -	7	1	-	-	1	-	-	-	-
St. Botolph East London	10	6	-	-	-	-	-	2	-
Cripplegate - - -	7	8	-	1	1	-	1	-	-
West London North *WH*	6	13	-	-	1	-	-	1	-
West London South -	6	5	-	-	-	-	-	-	-
London City South-west	2	1	-	-	-	-	-	-	-
London City North-west	3	1	-	-	-	-	-	-	-
London City South -	3	3	-	-	-	-	-	-	1
London City South-east	2	2	-	-	-	-	-	-	-
London City North-east	1	3	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	4	7	-	-	-	-	-	1	-
St. Leonard Shrdtch. L†	15	7	-	-	-	-	-	1	-
Hoxton New Town *w* -	21	10	-	-	-	-	2	-	-
Hoxton Old Town - -	23	9	-	-	-	1	-	-	-
Haggerstone West *W* -	18	19	-	-	2	-	-	1	1
Haggerstone East - -	18	8	-	-	1	-	1	-	-
Hackney-road - -	25	14	-	1	1	1	3	1	-
Green, Bthnl.Grn. *W*HL†	42	27	-	-	-	-	1	1	-
Church, Bethnal Green	18	10	-	-	-	-	2	1	-
Town, Bethnal Green -	16	11	-	-	1	-	-	3	-
Artillery Whitechapel -	4	4	-	-	-	-	1	-	1
Spitalfields - - -	15	5	-	-	-	-	-	-	-
Mile End New Town *W*	16	21	-	-	1	-	-	3	-
Whitechapel North -	19	7	-	-	-	-	-	1	-
Whitechapel Church H	8	7	-	-	-	-	-	-	-
Goodman's Fields - -	8	5	-	-	-	-	-	2	-
Aldgate - - - -	5	3	-	-	-	-	-	-	-
St. Mary St. Geo. East -	14	7	-	-	-	-	-	2	-
St. Paul St. Geo. East -	9	8	-	-	1	-	1	-	-
St. John St. Geo. East *W*	5	7	-	-	-	-	-	1	-
Shadwell *W* - - -	7	7	-	-	2	-	-	-	-
Ratcliff *W* - - -	16	12	-	1	-	-	-	1	-
Limehouse *W* - -	23	12	-	-	-	-	-	2	-
Mile End Old Town, West	28	13	-	1	1	-	-	-	-
Mile End Old T., East *Ww*	42	11	-	1	1	-	-	-	-
Bow *ww*L† - - -	54	35	‡	-	-	-	-	-	-
Poplar *W* - - -	39	24	-	-	2	-	3	2	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	14	7	-	-	-	-	2	-	-
St. Saviour Southwark H	9	8	-	-	-	-	1	1	-
St. Olave Southwark H	1	16	-	-	-	-	1	1	-
St. John Horsleydown *W*	7	5	-	-	-	-	-	-	-
St. James Bermondsey -	47	18	-	-	-	-	2	1	-
St. Mary Magdalen *W*	12	11	-	-	-	-	-	2	-
Leather Market - -	10	13	1	1	-	-	1	1	-
Kent-road - - -	12	6	1	-	-	-	-	-	-
Borough-road *W* - -	14	8	-	-	-	-	1	1	-
London-road L - -	14	4	-	-	-	-	-	-	-
Trinity Newington -	15	10	-	-	-	-	-	1	-
St. Peter Walworth *W*	40	18	-	-	-	-	-	-	-
St. Mary Newington H -	16	11	-	-	-	-	-	1	-
Waterloo-road 1st - -	10	12	-	1	-	-	2	-	-
Waterloo-road 2nd -	32	7	-	-	1	-	-	-	-
Lambeth Church 1st -	17	8	-	-	-	-	2	1	-
Lambeth Church 2nd *W*	37	20	-	-	-	-	2	-	-
Kennington 1st - -	23	21	-	-	-	-	1	1	-
Kennington 2nd - -	17	11	-	-	-	-	-	-	-
Brixton - - - -	22	15	-	-	-	-	2	-	-
Norwood *W* - - -	14	5	-	-	-	-	-	-	-
Clapham - - - -	26	11	-	-	-	-	-	-	-
Battersea *Ww* - - -	48	23	2	-	-	-	2	1	-
Wandsworth L - -	9	8	§	-	-	-	-	-	-
Putney - - - -	3	3	-	-	-	-	-	-	-
Streatham - - - -	4	4	-	1	-	1	-	-	-
Dulwich - - -	6	2	-	-	-	-	-	-	-
Camberwell *W*L†L† -	26	6	-	-	-	-	-	1	-
Peckham - - -	25	13	-	-	2	-	-	2	-
St. George Camberwell -	28	14	-	-	1	-	-	1	-
Rotherhithe *W* - -	23	10	-	-	1	-	1	-	-
St. Paul Deptford - -	33	19	1	-	-	-	3	-	-
St. Nicholas Deptford -	3	2	-	-	-	-	-	-	-
Greenwich West H -	24	10	-	-	-	-	3	1	-
Greenwich East *WH* -	15	12	-	-	-	-	1	-	-
Eltham - - - - -	5	-	-	-	-	-	-	-	-
Lee - - - - -	8	1	-	-	-	-	-	-	-
Lewisham Village *W* -	7	4	-	-	-	-	-	-	-
Sydenham - - -	13	5	-	-	-	-	-	-	-
Charlton H - - -	11	7	-	-	-	-	-	1	-
Woolwich Dockyard H	15	2	-	-	-	-	-	-	-
Woolwich Arsenal H -	24	2	-	1	-	-	-	-	-
Plumstead, West - -	15	2	-	-	-	-	-	1	-
Plumstead, East - -	12	2	-	-	-	-	-	1	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ The return for the sub-district of Bow contains *four* deaths from *whooping-cough* and *one* death from *enteric fever*.
§ The return for the sub-district of Wandsworth contains *three* deaths from *measles* and *one* death from *enteric fever*.

DEATHS in LONDON, from ALL CAUSES, Registered in the SEVENTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 19 1859	Feb. 18 1860	Feb. 16 1861	Feb. 15 1862	Feb. 14 1863	Feb. 20 1864	Feb. 18 1865	Feb. 17 1866	Feb. 16 1867	Feb. 15 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 20, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	45°·1	33°·5	37°·6	36°·2	40°·7	37°·2	30°·5	38°·9	46°·7	40°·9	38°·7	Mean Temp 45°·5						
	ALL CAUSES	1156	1454	1328	1345	1346	1586	1567	1365	1389	1307	1384·3	1491†	572	677	203	265	242	61
	SPECIFIED CAUSES	1142	1444	1320	1322	1335	1577	1553	1350	1381	1281	1370·5	1442	568	672	203	265	241	61
	(CLASSES.)																		
I.	ZYMOTIC DISEASES	266	221	269	284	319	323	341	306	262	260	285·1	318	189	229	42	27	15	5
II.	CONSTITUTIONAL „	244	264	250	247	265	286	281	285	254	274	265·0	286	60	88	92	78	23	5
II.	LOCAL „	470	736	581	572	547	734	711	556	638	554	609·9	641	212	243	60	152	167	19
IV.	DEVELOPMENTAL „	138	168	170	183	161	166	186	160	161	149	164·2	157	91	91	2	1	33	30
V.	VIOLENT DEATHS	24	55	50	36	43	68	34	43	66	44	46·3	40	16	21	7	7	3	2
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES	249	205	243	268	302	296	311	277	236	240	262·7	284	166	205	38	23	13	5
	2. ENTHETIC „	9	5	12	5	6	9	5	10	12	11	8·4	12	9	10	1	..	1	..
	3. DIETIC „	7	10	14	10	6	15	20	18	10	7	11·7	18	10	10	3	4	1	..
	4. PARASITIC „	1	1	..	1	5	3	5	1	4	2	2·3	4	4	4	..	..	..	..
II.	1. DIATHETIC „	52	49	40	44	55	37	45	52	39	44	45·7	31	1	1	3	8	15	4
	2. TUBERCULAR „	192	215	210	203	210	249	236	233	215	230	219·3	255	59	87	89	70	8	1
II.	1. DISEASES OF NERVOUS SYSTEM	136	171	141	156	151	160	172	168	182	162	159·9	159	74	78	10	28	39	4
	2. „ OF ORGANS OF CIRCULATION	43	68	61	62	53	69	87	72	62	68	64·5	82	1	9	12	28	30	3
	3. „ OF RESPIRATORY ORGANS	202	415	291	270	263	402	358	218	307	229	295·5	297	124	131	17	66	72	11
	4. „ OF DIGESTIVE ORGANS	50	58	56	53	48	67	63	65	49	55	56·4	52	7	10	8	18	15	1
	5. „ OF URINARY ORGANS	27	13	17	15	22	21	25	25	20	27	21·2	30	..	2	9	9	10	..
	6. „ OF ORGANS OF GENERATION	3	7	4	6	3	5	1	4	2	3	3·8	5	..	..	3	2	..	..
	7. „ OF ORGANS OF LOCOMOTION	..	3	4	4	1	6	2	3	10	4	3·7	7	2	7	..	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM	9	1	7	6	6	4	3	1	6	6	4·9	9	4	6	1	1	1	..
IV.	1. DEV. DISEASES OF CHILDREN	36	32	42	46	46	34	43	49	31	37	39·6	43	43	43	..	..	..	..
	2. „ OF ADULTS	5	6	3	6	6	6	5	6	2	3	4·8	2	..	..	2	..	..	..
	3. „ OF OLD PEOPLE	51	66	68	67	48	63	79	52	55	40	58·9	53	..	..	..	..	23	30
	4. DISEASES OF NUTRITION	46	64	57	64	61	63	59	53	73	69	60·9	59	48	48	..	1	10	..
V.	1. ACCIDENT OR NEGLIGENCE	19	47	44	28	37	59	32	35	59	40	40·0	28	15	18	3	3	3	1
*	3. HOMICIDE	2	3	1	4	2	3	..	4	2	..	2·1	1	1	1	..	..	..	..
	4. SUICIDE	3	5	5	4	4	6	2	4	4	4	4·1	9	..	2	3	3	..	1
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	1	..	·1	2	..	..	1	1	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	3	3	4	7	5	4	6	3	2	4	4·1	1	1	1	..	..	..	..
	CAUSES NOT SPECIFIED	11	7	4	16	6	5	8	12	6	22	9·7	48†	3	4	..	..	1	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.
† Averages amounting to 43 are added without distinction of ages. See note *, page 52.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 19 1859	Feb. 18 1860	Feb. 16 1861	Feb. 15 1862	Feb. 14 1863	Feb. 20 1864	Feb. 18 1865	Feb. 17 1866	Feb. 16 1867	Feb. 15 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 20, 1869. ALL AGES.	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	45°1	33°5	37°6	36°2	40°7	37°2	30°5	38°9	46°7	40°9	38°7	45°5						
I.	ORDER 1.																		
	1. Small-pox	13	31	8	5	23	20	20	25	27	26	19·8	6	6	6	..	..	..	..
	2. Measles	17	15	24	13	30	18	17	30	14	19	19·7	15	14	15	..	..	..	..
	3. Scarlet Fever (Scarlatina)	69	40	29	50	69	55	52	36	20	36	45·6	39	28	38	1	..	..	..
	4. Diphtheria	21	4	8	16	18	11	13	12	10	10	12·3	10	8	8	..	1	1	..
	5. Quinsy	2	..	2	2	1	3	1	3	..	..	1·4	1	..	..	1	..	..	..
	6. Croup	15	7	20	20	19	31	12	11	18	18	17·1	14	14	14	..	..	..	..
	7. Whooping-cough	49	40	88	49	57	56	63	56	60	61	57·9	82	77	82	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	26	31	30	76	45	63	88	65	44	36	50·4	23 37 19	.. 6 3	3 20 8	8 9 4	9 6 3	3 1 3	.. 1 1
	9. Erysipelas	6	5	3	5	10	11	10	7	7	7	7·1	7	1	1	2	2	1	1
	10. Puerperal Fever (Metria)	6	4	2	7	3	5	5	1	5	4	4·2	4	..	..	4	..	..	..
	11. Carbuncle	..	3	1	1	2	1	..	1	..	2	1·1	2	..	..	..	1	..	1
	12. Influenza	2	7	1	3	1	1	1	1	2	..	1·9	..	..	..	..	..	..	..
	13. Dysentery	3	3	1	..	3	1	2	..	2	2	1·7	2	1	1	1	..	..	..
	14. Diarrhœa	8	9	17	12	13	6	13	24	18	10	13·0	14	8	9	2	..	2	1
	15. Simple Cholera	..	..	1	..	1	..	..	1	..	1	·4	..	..	..	..	..	..	..
	16. Ague	..	..	..	..	..	1	1	..	..	..	·2	..	..	..	..	..	..	..
	17. Remittent fever	3	1	2	3	..	2	..	1	..	..	1·2	..	..	..	..	..	..	..
	18. Rheumatism	9	5	6	6	7	11	13	3	8	8	7·6	9	..	..	6	1	2	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	7	4	8	4	6	9	2	9	11	10	7·0	11	9	10	1	..	..	..
	2. Stricture of Urethra	2	1	4	1	..	..	3	1	1	1	1·4	1	..	..	..	..	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	1	2	..	3	4	2	..	1	1·3	2	..	..	..	2	..	..
	2. Want of Breast-milk	2	4	10	4	2	9	7	6	6	4	5·4	10	10	10	..	..	..	..
	3. Purpura and Scurvy	2	1	..	1	2	..	2	3	2	2	1·5	3	..	..	1	1	1	..
	4. Alcoholism (*a* Del. Tremens; *b* Intemperance)	1 2	1 4	1 2	1 2	1 1	2 1	2 5	5 2	2 ..	.. ..	1·6 1·9	2 1	..	..	2 ..	..	..	..
	ORDER 4.																		
	1. Thrush	1	1	..	1	5	3	5	1	4	2	2·3	4	4	4	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	3	2	..	..	1	3	2	1	4	1	1·7	..	..	..	..	..	..	..
	2. Dropsy	20	12	11	12	16	12	10	12	10	11	12·6	5	1	1	..	1	2	1
	3. Cancer	25	28	26	26	33	18	29	36	22	31	27·4	25	..	..	3	7	12	3
	4. Cancrum Oris (Noma)	1	..	1	..	..	..	1	..	..	1	·4	..	..	..	..	..	..	..
	5. Mortification	3	7	2	6	5	4	3	3	3	..	3·6	1	..	..	..	..	1	..
	ORDER 2.																		
	1. Scrofula	8	5	15	10	10	15	12	6	13	6	10·0	13	5	11	..	2	..	..
	2. Tabes Mesenterica	12	13	14	9	13	16	13	25	23	13	15·1	25	21	23	2	..	..	..
	3. Phthisis	142	165	145	151	156	182	166	170	152	171	160·0	189	8	25	87	68	8	1
	4. Hydrocephalus	30	32	36	33	31	36	45	32	27	40	34·2	28	25	28	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	7	13	12	13	12	10	12	19	17	17	13·2	25	18	20	4	..	1	..
	2. Apoplexy	28	33	24	33	50	42	34	36	28	34	34·2	31	3	3	2	9	16	1
	3. Paralysis	30	25	28	31	19	29	31	21	39	22	27·5	28	..	..	2	9	15	2
	4. Insanity	..	3	4	1	1	2	3	2	3	1	2·0	3	..	..	1	1	..	1
	5. Chorea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	6. Epilepsy	10	7	6	6	12	6	8	6	7	7	7·5	2	..	..	..	2	..	..
	7. Convulsions	47	74	45	50	38	47	60	64	70	56	55·1	55	53	54	..	1	..	..
	8. *Brain Disease, &c.*	14	16	22	22	19	24	24	20	18	25	20·4	15	..	1	1	6	7	..
	ORDER 2.																		
	1. Pericarditis	5	2	5	2	1	3	2	1	2	2	2·5	2	..	1	1	..	..	..
	2. Aneurism	1	2	1	2	..	..	..	2	..	1	·9	3	..	..	1	1	1	..
	3. *Heart Disease, &c.*	37	64	55	58	52	66	85	69	60	65	61·1	77	1	8	10	27	29	3
	ORDER 3.																		
	1. Laryngitis	3	9	13	15	10	8	7	10	7	4	8·6	6	5	5	1	..	..	..
	2. Bronchitis	108	250	168	162	159	248	232	131	200	140	179·8	171	65	68	4	37	55	7
	3. Pleurisy	1	4	3	2	2	4	2	1	..	1	2·0	7	..	..	2	3	2	..
	4. Pneumonia	74	125	82	70	69	102	86	59	71	58	79·6	74	44	47	7	11	7	2
	5. Asthma	11	16	17	8	14	23	15	6	14	15	13·9	19	..	..	1	10	7	1
	6. *Lung Disease, &c.*	5	11	8	13	9	17	16	11	15	11	11·6	20	10	11	2	5	1	1
	ORDER 4.																		
	1. Gastritis	5	1	1	..	..	5	1	2	..	2	1·7	1	1	1	..	..	..	..
	2. Enteritis	7	8	7	4	6	1	4	4	6	4	5·1	3	3	3	..	..	..	..
	3. Peritonitis	3	9	3	5	5	5	6	8	6	3	5·3	4	2	2	1	..	1	..
	4. Ascites	1	6	3	5	3	3	5	4	2	4	3·6	2	..	..	..	..	2	..
	5. Ulceration of Intestines	2	..	1	4	..	5	3	3	1	..	1·9	5	..	1	2	..	2	..
	6. Hernia	2	4	7	4	1	3	4	3	4	4	3·6	2	..	..	..	1	..	1
	7. Ileus	3	2	5	2	4	4	4	4	4	3	3·5	4	..	..	1	2	1	..
	8. Intussusception	..	2	1	1	..	3	..	2	2	1	1·2	1	..	..	1	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism" of "hæmorrhage" and "abscess"

the SEVENTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 19 1859	Feb. 18 1860	Feb. 16 1861	Feb. 15 1862	Feb. 14 1863	Feb. 20 1864	Feb. 18 1865	Feb. 17 1866	Feb. 16 1867	Feb. 15 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 20, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	45°·1	33°·5	37°·6	36°·2	40°·7	37°·2	30°·5	38°·9	46°·7	40°·9	38°·7	Mean Temp. 45°·5						
	9. Stricture of Intestines	1	1	..	..	1	..	..	..	..	..	·3	1	..	..	..	..	1	..
	10. Fistula	1	..	..	1	2	..	..	1	..	1	·6	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	7	3	7	3	3	7	9	7	2	9	5·7	3	..	1	..	2	..	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	2	4	2	3	4	4	2	5	2	2	3·0	6	..	..	1	3	2	..
	14. Jaundice	4	5	4	4	6	7	3	5	6	2	4·6	4	1	2	..	1	1	..
	15. *Liver Disease, &c.*	12	13	15	15	12	20	21	16	13	19	15·6	16	..	..	2	9	5	..
	16. *Spleen Disease, &c.*	..	..	..	2	1	..	1	1	1	1	·7	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	1	2	3	2	1	1	2	2	2	5	2·1	2	..	1	..	..	1	..
	2. Ischuria	1	..	..	..	2	..	1	..	..	..	·4	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	11	5	6	3	7	10	14	11	5	9	8·1	12	..	1	6	2	3	..
	4. Diabetes	1	1	3	1	1	1	1	4	4	..	1·7	1	..	..	1	..	..	..
	5. Calculus (Stone)	1	..	..	..	..	1	..	2	1	..	·5	3	..	..	1	1	1	..
	6. Cystitis	2	..	1	1	1	2	1	1	..	1	1·0	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	10	5	4	8	10	6	6	5	8	12	7·4	12	..	..	1	6	5	..
	ORDER 6.																		
	1. Ovarian Dropsy	1	3	2	..	..	1	..	..	..	..	·7	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	2	4	2	6	3	4	1	4	2	3	3·1	5	..	..	3	2	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	1	..	..	1	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	..	3	4	4	1	5	2	3	9	4	3·5	7	2	7	..	..	..	..
	ORDER 8.																		
	1. Phlegmon	4	..	4	..	3	2	2	..	3	2	2·0	6	1	3	1	1	1	..
	2. Ulcer	3	1	3	4	1	..	1	..	3	2	1·8	3	3	3	..	..	..	..
	3. *Skin Disease, &c.*	2	..	..	2	2	2	..	1	..	2	1·1	..	..	..	..	..	..	..
V.	ORDER 1.																		
	1. Premature Birth	14	13	11	9	21	12	19	26	15	19	15·9	24	24	24	..	..	..	..
	2. Cyanosis	2	..	5	3	4	1	3	3	1	..	2·2	1	1	1	..	..	..	..
	3. Spina Bifida	1	1	..	1	1	..	..	1	1	1	·7	..	..	..	..	..	..	..
	4. Other Malformations	2	2	1	7	1	1	1	1	1	..	1·7	..	..	..	..	..	..	..
	5. Teething	17	16	25	26	19	20	20	18	13	17	19·1	18	18	18	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	5	6	3	6	6	6	5	5	2	3	4·7	2	..	..	2	..	..	..
	ORDER 3.																		
	1. Old Age	51	66	68	67	48	63	79	52	55	40	58·9	53	..	..	..	..	23	30
	ORDER 4.																		
	1. Atrophy and Debility	46	64	57	64	61	63	59	53	73	69	60·9	59	48	48	..	1	10	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	4	21	9	8	12	27	13	17	23	20	15·4	8	1	2	1	2	2	1
	2. Wounds	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	3. Burns and Scalds	8	13	10	9	8	11	11	7	13	4	9·4	7	7	7	..	..	..	..
	4. Poison	1	1	2	2	1	..	..	..	1	2	1·0	..	..	..	..	..	..	..
	5. Drowning	3	4	7	..	5	2	2	2	7	6	3·8	4	..	2	1	..	1	..
	6. Suffocation	2	7	13	8	9	14	4	9	14	6	8·6	6	6	6	..	..	..	..
	7. Otherwise	1	1	2	1	2	5	2	..	1	2	1·7	3	1	1	1	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	3	1	4	2	3	..	4	2	..	2·1	1	1	1	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	1	..	..	1	..	..	..	..	..	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	1	..	1	1	2	..	..	1	..	·6	3	..	..	1	2	..	..
	2. Poison	1	..	1	1	..	1	1	..	1	1	·7	..	..	..	..	..	..	..
	3. Drowning	..	2	..	..	1	1	1	..	..	2	·7	1	..	..	1	..	..	..
	4. Hanging	2	1	3	1	1	1	..	2	2	1	1·4	5	..	2	1	1	..	1
	5. Otherwise	..	..	1	1	..	1	..	2	..	..	·5	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	1	..	·1	2	..	..	1	1	..	..
	Sudden Deaths (Cause unascertained)	3	3	4	7	5	4	6	3	2	4	4·1	1	1	1	..	..	..	..
	Causes not specified or ill-defined	11	7	4	16	6	5	8	12	6	22	9·7	48†	3	4	..	..	1	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† Averages amounting to 43 are added without distinction of ages. See note * page 52.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 20th February 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
February.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	14	..	30·126	50·1	37·9	12·2	45·9	41·1	61·0	35·3	44·9	43·4	4·8	7·6	0·0	+ 7·7	83	WSW.	WSW.	18·4	0·2	2·2	630	0·00	4
Monday . .	15	In Equator	30·199	53·9	45·0	8·9	46·7	41·1	55·0	43·5	45·4	43·4	5·6	13·6	2·9	+ 8·6	81	WSW.	WSW.	3·4	0·0	0·4	358	0·00	1
Tuesday .	16	..	29·902	52·9	44·2	8·7	48·2	42·2	94·3	42·9	45·9	43·9	6·0	9·4	3·3	+10·1	80	SW.	SSW.	3·3	0·0	0·8	418	0·00	3
Wednesday	17	..	29·622	53·9	45·1	8·8	48·6	44·0	72·5	43·7	46·4	44·6	4·6	9·4	0·0	+10·4	84	SSW.	SW & SSW.	12·1	0·0	1·4	445	0·03	4
Thursday.	18	..	29·582	51·0	38·5	12·5	44·1	40·4	77·7	34·0	46·4	44·4	3·7	8·0	0·9	+ 5·8	87	SW. & WSW.	WSW. & SW.	1·2	0·0	0·1	243	0·14	1
Friday . .	19	First Quarter	29·798	52·8	33·2	19·6	42·3	38·8	81·5	28·2	47·3	45·4	3·5	10·6	0·0	+ 3·8	87	WSW.	WSW.	0·1	0·0	0·0	160	0·00	1
Saturday.	20	..	29·763	51·9	35·4	16·5	42·8	37·2	94·5	30·0	45·4	43·4	5·6	12·4	0·0	+ 4·1	81	SW & SSW.	SW. & S.	0·3	0·0	0·0	155	0·00	1
Means . .		..	29·856	52·4	39·9	12·5	45·5	40·7	76·6	36·8	46·0	44·1	4·8	10·1	1·0	+ 7·2	83	WSW. & SW.		..	..	..	Sum 2409	Sum 0·17	2·1
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date.		Electricity.	Sky and Atmosphere.
February.			
Sunday .	14	No electricity was shown.	Overcast, with but slight exceptions throughout the day.
Monday .	15		Overcast.
Tuesday .	16		Generally overcast.
Wednesday	17		Generally overcast. Rain fell during the afternoon and evening.
Thursday .	18	The insulating lamp was not burning.	Overcast throughout the morning, and rain fell; partially cloudy and fine till night; then cloudless.
Friday .	19		Fine; the sky was cloudless till noon; afterwards generally cloudy.
Saturday .	20	Positive, with moderate tension, was shown at night.	A fine day; partially cloudy.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30·24 in. at the beginning of the week to 30·11 in. by noon on the 14th; increased to 30·24 in. by 9h. A.M. on the 15th; decreased to 29·52 in. by 9h. A.M. on the 18th; increased to 29·83 in. by noon on the 19th; was nearly stationary at this reading till after 9h. A.M. on the 20th; and was 29·74 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 8. 1869. Vol. XXX.] Week ending Saturday, February 27. [Price 1*d.*

General Register Office, Somerset House,
1st March 1869.

In the week that ended on Saturday, 27th February, 4590 births, and 3267 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 26 per 1000 persons living.

The annual rate of mortality last week was 23 per 1000 in London, 33 in Edinburgh, and 29 in Dublin; 21 in Bristol, 21 in Birmingham, 26 in Liverpool, 29 in Manchester, 30 in Salford, 32 in Sheffield, 23 in Bradford, 27 in Leeds, 26 in Hull, 27 in Newcastle-upon-Tyne, and 40 in Glasgow. The rate in Vienna was 38 per 1000 during the week ending the 20th ult., and in Berlin 31 per 1000 during the seven days ending the 25th ult.

In London the births of 1153 boys and 1070 girls, in all 2223 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2306.

The deaths registered in London during the week were 1419. It was the eighth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1585. The deaths in the present return are less by 166 than the estimated amount.

The deaths from zymotic diseases were 244, the corrected average number being 323. Two deaths from small-pox, 12 from measles, 43 from scarlet fever, 7 from diphtheria, 50 from whooping-cough, 26 from typhus fever, 18 from enteric fever, 20 from simple continued fever, and 9 from diarrhœa were registered.

The son of a pork butcher, aged 8 months, died on 25th February at 193 Southampton-street, Camberwell, of "choleraic diarrhœa" (3 days).

A comparison of the deaths from fever, with those recorded in the preceding week shows a decrease of 15 on the total number, an increase of 3 deaths from typhus fever, a decrease of 19 from enteric fever, and an increase of one death from simple continued fever. Five cases were recorded in the West districts, 25 in the North (where the London Fever Hospital is situated), 2 in the Central, 17 in the East, and 15 in the South districts.

The deaths from whooping-cough were less by 32 than the number registered in the week which ended 20th February.

Scarlet fever is most fatal in the West and East districts of the Metropolis. Three cases were recorded in the sub-district of Kensington Town, 5 in the sub-district of St. John Westminster, and 5 in the sub-district of Bow.

The deaths of 3 persons from alcoholism, of 6 infants from syphilis, of 4 children and one adult from burns or scalds, of 7 persons from drowning, of 5 infants from suffocation, and of 9 persons who committed suicide were recorded.

The following three deaths occurred in the convent, St. Margaret Westminster:—

The son of a governess, aged 2 months, died on 20th February of "marasmus."
The daughter of a domestic, aged 1 month, died on 22d February of "convulsions."
The son of a coffee-shop keeper, aged 11 months, died on 24th February of "phthisis."

The following deaths of 3 persons killed by vehicles in the streets were registered:—

A carman, aged 28 years, "compound fracture of leg by falling under the wheel of a cart." Died on 20th February, in St. Mary's Hospital. *Post mort.* (*Inquest.*)

A labourer, aged 48 years, "fracture of skull and injury to brain from being knocked down by a Hansom cab." Died on 20th February, in Guy's Hospital. *Post mort.* (*Inquest.*)

A whitesmith, aged 16 years, "contusion of the abdomen by a cab." Died on 10th February, in St. Thomas' Hospital. (*Inquest.*)

A tobacconist, aged 33 years, committed suicide on 19th February, at 71 College-street, Camden-town, by "setting fire to himself after pouring paraffin over his body." *Post mort.* (*Inquest.*)

Two daughters of a Custom-house clerk, aged 5 and 7 years respectively, died on 20th February at Manor-road, Deptford, from "poisoning by morphia given in mistake for calomel." *Post mort.* (*Inquest.*)

The waters supplied by the Metropolitan Companies during the month of February contained (according to Professor Frankland's analysis) in 100,000 tons, foreign solid matters amounting to 27 tons in the Chelsea water, 29 in the West Middlesex, 28 in the Southwark and Vauxhall, 28 in the Grand Junction, 28 in the Lambeth, 32 in the New River, 36 in the East London, and 43 in the Kent. 100,000 tons of the Chelsea water contained 18 tons, the West Middlesex 21 tons, the Southwark and Vauxhall 21 tons, the Grand Junction 21 tons, the Lambeth 19 tons, the New River 24 tons, the East London 27 tons, and the Kent 32 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients. Professor Frankland remarks :—"The samples of water supplied by "the Southwark and Lambeth Companies were very turbid, those drawn from "the mains of the Chelsea and Grand Junction Companies somewhat less turbid. "The West Middlesex, New River, East London, and Kent Companies delivered "water which was perfectly clear and transparent. The samples obtained from "the mains of the Southwark and Lambeth Companies were entirely unfit for "domestic use without previous filtration. Examined microscopically, the sedi-"ment deposited from the Southwark and Grand Junction Companies' waters "contained living organisms. That from the Lambeth and Chelsea Companies' "waters was partly composed of organised matters which, however, exhibited "no motion. In January the sediments from all the turbid waters contained "living organisms.

"Although the West Middlesex and Southwark Companies both derive their "water from the same source, the water of the latter company contained, on the "5th instant, double the amount of organic matters, as compared with that found "in the former."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·924 in. The barometrical reading decreased from 30·18 in. on Tuesday, 23d February, to 29·72 in. on Thursday, 25th February. The mean temperature of the air in the week was 40·9°, which is 1·5° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 52·4° on Saturday, 27th February. The lowest night temperature was 32·0° on Wednesday, 24th February. The entire range of temperature in the week was, therefore, 20·4°. The mean of the highest temperatures of the water of the Thames was 44·2°; that of the lowest was 42·5°. The difference between the mean dew-point temperature and air temperature was 5·3°. The mean degree of humidity of the air was 82, complete saturation being represented by 100. Rain fell to the amount of 0·70 in., of which 0·57 in. fell on Monday, 22d February. The general direction of the wind was variable. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness, was 276,868 cubic metres, and at Barking 169,620 cubic metres, equivalent to about as many tons by weight.

Royal College of Chemistry,
25th February 1869.

Sir,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of February. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Newcastle, Glasgow, Manchester, Preston, and Lancaster, when submitted to the same analytical processes.

The samples of water supplied by the Southwark and Lambeth Companies were very turbid, those drawn from the mains of the Chelsea and Grand Junction Companies somewhat less turbid. The West Middlesex, New River, East London and Kent Companies delivered water which was perfectly clear and transparent. The samples obtained from the mains of the Southwark and Lambeth Companies were

entirely unfit for domestic use without previous filtration. Examined microscopically, the sediment deposited from the Southwark and Grand Junction Companies' waters contained living organisms. That from the Lambeth and Chelsea Companies' waters was partly composed of organised matters which, however, exhibited no motion. In January the sediments from all the turbid waters contained living organisms.

Although the West Middlesex and Southwark Companies both derive their water from the same source, the water of the latter company contained, on the 5th instant, double the amount of organic matters, as compared with that found in the former.

I have, &c.
E. FRANKLAND.

The Registrar General,
&c. &c. &c.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	5th February, Cab Rank, Horse Guards	9·4	26·6	·475	·067	·002	·230	·299	2000	1·75	18·34
West Middlesex	5th February, Cab Rank, Portland-road	9·7	28·8	·336	·042	·001	·286	·329	2550	1·90	21·35
Southwark and Vauxhall	5th February, Cab Rank, St. George's Church, Borough	10·6	27·9	·686	·079	·003	·220	·302	1910	1·70	20·73
Grand Junction	5th February, Cab Rank, Woodstock-st.	9·2	28·4	·607	·068	·004	·274	·345	2450	1·65	20·61
Lambeth	5th February, Cab Rank, Lambeth-road	9·4	27·6	·526	·058	·003	·279	·340	2500	1·75	18·63
OTHER SOURCES.											
New River	6th February, Cab Rank, Tottenham-court-road	8·6	32·0	·291	·042	·001	·387	·430	3560	1·65	24·46
East London	6th February, Slater's Lamp Black Works, Old Ford-road	10·0	35·9	·298	·029	·001	·450	·480	4190	2·10	26·96
Kent	5th February, Deptfd. Bdge, Police Stat.	11·7	42·6	·135	·010	·000	·391	·401	3590	2·25	32·08
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July, Glasgow		3·0	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June, Manchester		6·2	·183	·009	·006	·025	·039	0	1·117	3·7
Preston	August, Preston		12·44	·236	·031	·006	·000	·036	0	1·590	8·9
Lancaster	November, Lancaster.		4·58	·129	·022	·001	·000	·023	0	·993	·87
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 5th February at the Horse Guards cab rank had a temperature of

9·4° C.; 100,000 lbs. of it contained 26·6 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·475 lb. of carbon and ·067 lb. of nitrogen. This solid impurity also contained ·230 lb. of nitrogen in the form of nitrates and nitrites, besides ·002 lb. of ammonia, whilst the total amount of *combined* nitrogen in every form was ·299 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 2000 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The amount of chlorine contained in the same weight of water was 1·75 lbs. Finally, 100,000 lbs. of the Chelsea Company's water contained 18·34 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Eighth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total **Births**	1940	1964	1891	1965	1908	2000	2290	2350	2342	2315	2096·5	2223
Males . .	991	977	1035	973	1012	1019	1144	1189	1178	1159	1067·7	1153
Females .	949	987	856	992	896	981	1146	1161	1164	1156	1028·8	1070
Total **Deaths**	1226	1500	1318	1415	1377	1677	1590	1630	1337	1336	1440·6	1419
Males . .	633	748	661	703	701	828	804	912	678	683	735·1	709
Females .	593	752	657	712	676	849	786	718	659	653	705·5	710

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Dec. 5.	Dec. 12.	Dec. 19.	Dec. 26.	Jan. 2.	Jan. 9.	Jan. 16.	Jan. 23.	Jan. 30.	Feb. 6.	Feb. 13.	Feb. 20	Feb. 27.
Deaths - - - - -	1672	1486	1558	1262	1629	1501	1490	1578	1737	1631	1426	1491	1419
Deaths under 20 years of age	816	743	763	599	770	740	716	721	724	723	670	697	647
Deaths 20—40 - - -	215	205	261	201	221	219	210	220	222	221	218	223	208
Deaths 40—60 - - -	268	211	228	216	296	217	243	268	323	276	235	268	253
Deaths at 60 years of age and upwards - - -	373	327	306	246	342	325	321	369	468	411	303	303	311
Deaths from Small-pox -	8	..	5	6	7	6	3	10	5	9	6	6	2
„ „ Measles - -	31	34	33	17	35	24	20	28	26	17	25	15	12
„ „ Scarlet Fever -	107	108	100	67	83	69	64	64	53	45	56	39	43
„ „ Diphtheria -	9	15	17	8	10	8	8	5	6	3	9	10	7
„ „ Whooping-cough	46	43	30	33	49	62	51	63	85	64	72	82	50
„ „ Fever - -	59	62	61	54	56	60	59	46	69	63	55	79	64
„ „ Diarrhœa - -	11	7	11	10	9	12	12	16	12	9	8	14	9
„ „ Phthisis - -	187	125	166	136	188	153	158	198	194	174	144	189	184
„ „ Bronchitis - -	270	194	190	147	196	213	197	249	293	275	209	171	185
„ „ Pneumonia -	121	122	117	82	98	112	100	89	100	102	84	74	78
„ „ Heart Disease -	89	67	75	61	85	64	92	81	95	81	78	77	72
Mean Temperature of the Air	45°·6	47°·6	47°·5	44°·2	41°·0	45°·7	40°·4	36°·6	40°·7	49°·2	47°·5	45°·5	40°·9
Mean Temperature of the Water of the Thames -	42·8	45·3	45·6	43·8	40·5	40·3	42·9	42·0	37·6	44·9	47·0	45·0	43·3
Humidity of the Air - -	91	87	90	89	89	92	94	87	77	85	86	83	82
Rain-fall in inches - -	0·31	1·30	0·92	1·57	1·53	1·15	0·23	0·13	1·03	0·65	0·97	0·17	0·70

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The returns for the sub-district of May Fair and St. Leonard Shoreditch were not received when the Tables were under preparation, but averages of 8 and 8 respectively are substituted for the true numbers, which are 5 for May Fair, and 11 for St. Leonard Shoreditch.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 27th day of February 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 27th Feb.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 27th Feb.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4590**	**3244**	**3267**	**57·5**	**26·9**	**41·7**	**0·57**	**58**	**14·17**	**−2·83**	**5·39**	**1·45**
London (Metropolis)	3,170,754	40·7	2070	2223	1462	1419	52·4	32·0	40·9	0·70	71	11·33	0·00	4·94	178
Bristol (City)	169,423	36·1	109	128	76	69 *	54·3	26·9	41·9	0·54	55	12·39	−2·83	5·50	137
Birmingham (Borough)	360,846	46·1	283	266	175	144	53·6	33·2	42·3	0·32	32	12·01	0·67	5·73	81
Liverpool (Borough)	509,052	99·7	345	372	295	250	..	..	..	..	..	..	..	..	..
Manchester (City)	370,892	82·7	277	266	210	206 *	53·2	33·0	42·1	0·92	93	11·78	0·56	5·62	234
Salford (Borough)	119,350	23·1	89	97	60	69	53·0	31·2	42·2	1·03	104	11·67	−0·45	5·67	262
Sheffield (Borough)	239,752	10·5	196	182	126	145	53·0	33·5	41·0	0·24	24	11·67	0·84	5·00	61
Bradford (Borough)	138,522	21·0	105	76	71	61	54·0	34·8	42·2	0·21	21	12·22	1·56	5·67	53
Leeds (Borough)	253,110	11·7	189	165	129	129	54·0	36·0	44·2	0·22	22	12·22	2·22	6·78	56
Hull (Borough)	126,682	35·6	83	62	59	64	49·0	28·0	38·4	0·31	31	9·44	−2·22	3·55	79
Newcastle-on-Tyne (Borough)	130,503	24·5	90	105	69	68	49·0	31·0	39·2	0·05	5	9·44	0·56	4·00	13
Edinburgh (City)	178,002	40·2	112	124	86	111	50·7	32·0	41·2	0·60	61	10·39	0·00	5·11	152
Glasgow (City)	458,937	90·6	374	351	268	352	57·5	31·6	42·7	1·82	184	14·17	−0·22	5·95	462
Dublin (City and some suburbs)	320,762	32·9	219	173	158	180	53·8	31·7	44·0	0·44	44	12·12	−0·17	6·67	112
				Week ending 20th Feb. 1869.		Week ending 20th Feb. 1869.	Week ending 20th February 1869.					Week ending 20th February 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	408	..	..	45·5	..	..	..	..	7·50	..
				Week ending 25th Feb. 1869.		Week ending 25th Feb. 1869.	Week ending 25th February 1869.					Week ending 25th February 1869.			
Berlin (City)	(1867) 702,437	..	..	591	..	429	..	..	37·9	..	..	..	..	3·25	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandesborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

Total Births and Deaths, and Deaths from some Zymotic Diseases.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 27th February 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2223	1419	2	12	43	7	50	64	9
WEST DISTRICTS -	308	246	1	2	11	1	8	5	2
NORTH DISTRICTS -	515	313	1	1	5	3	14	25	-
CENTRAL DISTRICTS -	244	164	-	1	6	-	5	2	-
EAST DISTRICTS -	476	320	-	4	17	2	11	17	2
SOUTH DISTRICTS -	680	376	-	4	4	1	12	15	5
WEST DISTRICTS.									
St. Mary Paddington *W*H	38	20	-	-	-	-	-	-	-
St. John Paddington H	22	14	-	-	-	-	-	-	-
Kensington Town *W* -	49	44	-	-	3	-	3	-	-
Brompton H - -	17	9	-	-	-	-	-	-	-
St. Peter Hammersmith	1	4	-	-	-	-	-	1	-
St. Paul Hammersmith	25	11	-	-	1	-	-	1	-
Fulham *W* - - -	16	7	-	-	-	-	-	-	1
Chelsea South H - -	12	15	-	-	-	-	-	1	-
ChelseaNorth-west H*Ww*	12	13	-	-	-	-	-	1	-
Chelsea North-east -	9	9	-	-	-	1	2	-	-
Hanover Square - -	6	9	1	-	-	-	-	-	-
May Fair *W* - -	6	8	§	-	-	-	-	-	-
Belgrave H - - -	32	27	-	-	1	-	-	-	-
St. John Westminster -	22	19	-	1	5	-	-	1	-
St. Margaret West. *W*H	23	21	-	1	1	-	1	-	1
St. James's Square -	-	2	-	-	-	-	-	-	-
Golden Square *W* -	5	9	-	-	-	-	1	-	-
Berwick-street - -	3	1	-	-	-	-	-	-	-
St. Anne Soho - -	10	4	-	-	-	-	1	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	13	18	-	-	-	-	1	-	-
Cavendish Square - -	5	3	-	-	-	-	-	-	-
Rectory Marylebone *W*	16	10	-	-	-	-	1	1	-
St. Mary Marylebone -	22	5	-	-	-	1	-	-	-
Christchurch Marylebone	25	19	-	-	-	-	3	-	-
St. John Marylebone -	24	7	-	-	-	-	-	-	-
Hampstead *W* - -	20	5	-	-	-	-	-	-	-
Regent's Park Pancras -	27	15	-	-	-	-	1	-	-
Tottenham-court *w*H -	20	11	-	-	-	-	-	1	-
Gray's Inn Lane H -	18	15	-	-	-	-	1	-	-
Somers Town - -	28	18	-	-	1	-	1	-	-
Camden Town *W* -	9	14	-	-	1	-	-	-	-
Kentish Town - -	45	24	-	1	-	-	1	1	-
Islington West* *W*HH	97	55	1	-	1	-	-	12	-
Islington East *Ww* -	72	39	-	-	2	-	-	3	-
Stoke Newington - -	7	1	-	-	-	-	-	-	-
Stamford Hill - -	2	1	-	-	-	-	-	-	-
West Hackney - -	22	13	-	-	-	-	-	3	-
Hackney *W*H*w* - -	21	25	-	-	-	2	1	2	-
South Hackney L -	22	15	-	-	-	-	4	2	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	6	4	-	-	-	-	-	-	-
St. Giles South *W* -	19	20	-	-	1	-	-	-	-
St. Giles North - -	12	8	-	-	-	-	-	-	-
Long Acre - - -	4	5	-	-	-	-	-	-	-
Charing Cross *W*H -	6	5	-	-	-	-	-	-	-
St. Mary-le-Strand -	5	3	-	-	1	-	-	-	-
St. Clement Danes H -	6	8	-	-	1	-	-	-	-
St. George-the-Martyr H	10	12	-	-	-	-	1	-	-
St. Andrew, East Holb. *W*	14	8	-	-	-	-	-	-	-
Saffron Hill - - -	4	4	-	-	-	-	-	-	-
St. James Clerkenwell *W*	19	6	-	-	-	-	-	-	-
Amwell Clerkenwell -	14	5	-	-	-	-	1	1	-
Pentonville - - -	12	8	-	-	-	-	1	-	-
Goswell-street - -	6	2	-	-	-	-	-	1	-
Old-street - - -	8	6	-	-	-	-	1	-	-
City-road HL - -	29	6	-	-	1	-	-	-	-
Whitecross-street - -	13	4	-	1	-	-	-	-	-
Finsbury - - -	11	5	-	-	-	-	-	-	-
St. Botolph East London	13	7	-	-	1	-	1	-	-
Cripplegate - - -	10	7	-	-	-	-	-	-	-
West London North *W*H	5	14	-	-	1	-	-	-	-
West London South -	6	8	-	-	-	-	-	-	-
London City South-west	1	3	-	-	-	-	-	-	-
London City North-west	3	2	-	-	-	-	-	-	-
London City South -	3	-	-	-	-	-	-	-	-
London City South-east	3	1	-	-	-	-	-	-	-
London City North-east	2	3	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	4	5	‡	-	-	-	1	1	-
St. Leonard Shrdtch. L†	14	8	‡	-	-	-	-	-	-
Hoxton New Town *w* -	22	21	-	-	1	-	-	-	1
Hoxton Old Town - -	15	9	-	-	-	-	2	-	-
Haggerstone West *W* -	21	8	-	-	-	-	-	-	-
Haggerstone East - -	17	12	-	-	1	-	1	2	-
Hackney-road - -	30	16	-	-	1	-	4	-	-
Green, Bthnl. Grn.*W*HL†	30	19	-	-	2	-	-	-	-
Church, Bethnal Green -	23	11	-	-	1	-	-	-	-
Town, Bethnal Green -	13	7	-	-	-	-	1	1	-
Artillery Whitechapel -	10	4	-	-	1	-	-	1	-
Spitalfields - - -	10	11	-	2	1	-	-	1	-
Mile End New Town *W*	14	11	-	-	-	-	-	-	-
Whitechapel North -	6	5	-	-	-	-	1	1	-
Whitechapel Church H	7	11	-	-	-	-	-	-	-
Goodman's Fields - -	6	5	-	-	-	1	1	-	-
Aldgate - - - -	3	6	-	-	-	-	-	-	-
St. Mary St. Geo. East -	15	8	-	-	-	-	-	2	1
St. Paul St. Geo. East -	15	12	-	-	2	-	-	1	-
St. John St. Geo. East *W*	9	9	-	1	-	-	-	-	-
Shadwell *W* - - -	7	9	-	-	-	-	-	1	-
Ratcliff *W* - - -	14	4	-	-	-	-	-	-	-
Limehouse *W* - -	20	11	-	-	1	-	1	1	-
Mile End Old Town, West	35	15	-	-	1	-	-	-	-
Mile End Old T., East *Ww*	39	28	-	1	-	-	-	3	-
Bow *ww*L† - - -	49	35	-	-	5	-	-	-	-
Poplar *W* - - -	28	20	-	-	-	1	1	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	11	5	-	-	-	-	-	-	-
St. Saviour Southwark H	14	7	-	-	-	-	-	-	-
St. Olave Southwark H	4	11	-	-	-	-	-	1	-
St. John Horsleydown *W*	11	5	-	-	-	-	-	-	-
St. James Bermondsey -	34	15	-	-	-	-	3	-	-
St. Mary Magdalen *W* -	19	17	-	-	-	-	-	1	-
Leather Market - -	13	3	-	1	-	-	-	-	-
Kent-road - - -	17	7	-	-	-	-	-	1	-
Borough-road *W* - -	7	12	-	-	-	-	-	1	-
London-road L - -	13	5	-	-	-	-	-	-	-
Trinity Newington -	15	11	-	-	-	-	1	-	-
St. Peter Walworth *W*	31	21	-	-	-	-	2	-	1
St. Mary Newington H	8	8	-	-	-	-	-	1	-
Waterloo-road 1st -	16	10	-	1	1	-	-	-	-
Waterloo-road 2nd -	18	3	-	-	-	-	-	-	-
Lambeth Church 1st -	25	8	-	-	-	-	2	-	-
Lambeth Church 2nd *W*	35	20	-	-	-	-	-	2	1
Kennington 1st - -	21	12	-	-	-	-	1	1	-
Kennington 2nd - -	12	9	-	-	1	-	-	1	-
Brixton - - - -	17	11	-	-	-	-	-	-	-
Norwood *W* - - -	7	2	-	-	-	-	-	-	-
Clapham - - -	11	6	-	-	-	-	-	-	-
Battersea *Ww* - -	34	21	-	-	-	-	-	1	1
Wandsworth L - -	10	10	-	-	-	-	-	-	-
Putney - - - -	4	1	-	-	1	-	-	-	-
Streatham - - -	5	3	-	-	-	1	-	-	-
Dulwich - - -	-	1	-	-	-	-	-	-	-
Camberwell *W*L†L† -	19	14	-	-	-	-	-	-	2
Peckham - - -	24	10	-	-	-	-	-	-	-
St. George Camberwell -	34	11	-	-	1	-	1	-	-
Rotherhithe *W* - -	19	8	-	-	-	-	1	1	-
St. Paul Deptford - -	45	23	-	-	-	-	1	2	-
St. Nicholas Deptford -	13	4	-	-	-	-	-	-	-
Greenwich West H -	18	6	-	-	-	-	-	-	-
Greenwich East *W*H -	13	13	-	-	-	-	-	-	-
Eltham - - - -	-	1	-	-	-	-	-	-	-
Lee - - - -	8	6	-	2	-	-	-	-	-
Lewisham Village *W* -	7	5	-	-	-	-	-	2	-
Sydenham - - -	16	3	-	-	-	-	-	-	-
Charlton H - - -	4	5	-	-	-	-	-	-	-
Woolwich Dockyard H	17	7	-	-	-	-	-	-	-
Woolwich Arsenal H -	11	9	-	-	-	-	-	-	-
Plumstead, West - -	9	4	-	-	-	-	-	-	-
Plumstead, East - -	11	3	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - " " Tottenham-court sub-district.
West London - - " " Islington East.
East London - - " " Hackney sub-district.
St. Luke Middlesex - " " Hoxton New Town sub-district.
London City - - " " Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - " " Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ The return for St. Leonard Shoreditch contains *one* death from *scarlet fever*.
§ The return for May Fair contains *two* deaths from *whooping-cough* and *one* death from *diphtheria*.

DEATHS in LONDON, from ALL CAUSES, Registered in the EIGHTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 26 1859	Feb. 25 1860	Feb. 23 1861	Feb. 22 1862	Feb. 21 1863	Feb. 27 1864	Feb. 25 1865	Feb. 24 1866	Feb. 23 1867	Feb. 22 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 27, 1869. ALL AGES. Mean Temp.	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	44°·1	34°·5	45°·9	45°·4	39°·0	33°·0	38°·3	36°·2	46°·5	42°·4	40°·5	40°·9						
	ALL CAUSES . . .	1226	1500	1318	1415	1377	1677	1590	1630	1337	1336	1440·6	1419†	535	641	203	248	257	54
	SPECIFIED CAUSES .	1216	1468	1305	1393	1362	1653	1584	1622	1297	1330	1423·0	1401	534	640	203	247	257	54
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	274	256	283	302	331	359	293	351	233	261	294·3	244	138	177	24	26	16	1
II.	CONSTITUTIONAL „ .	264	271	246	267	255	271	282	317	253	255	268·1	300	73	103	90	71	34	2
III.	LOCAL „ .	510	728	580	603	576	797	740	713	599	593	643·9	648	226	252	72	131	176	17
IV.	DEVELOPMENTAL „ .	127	171	155	171	136	177	202	186	174	167	166·6	157	85	85	9	3	26	34
V.	VIOLENT DEATHS . .	41	42	41	50	64	49	67	55	38	54	50·1	52	12	23	8	16	5	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	247	233	246	280	308	324	271	322	214	239	268·4	229	128	167	23	23	15	1
	2. ENTHETIC „ . .	11	8	10	5	7	15	6	7	8	13	9·0	8	6	6	1	..	1	..
	3. DIETIC „ . .	16	12	22	17	14	18	14	19	5	6	14·3	6	3	3	..	3	..	..
	4. PARASITIC „ . .	..	3	5	..	2	2	2	3	6	3	2·6	1	1	1	..	..	..	..
II.	1. DIATHETIC „ . .	45	48	44	55	39	53	53	50	49	54	49·0	55	6	7	4	21	21	2
	2. TUBERCULAR „ . .	219	223	202	212	216	218	229	267	204	201	219·1	245	67	96	86	50	13	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	153	165	140	165	139	167	201	192	187	176	168·5	161	79	82	14	22	39	4
	2. „ OF ORGANS OF CIRCULATION .	59	70	60	71	65	95	82	78	58	58	69·6	79	3	10	17	25	24	3
	3. „ OF RESPIRATORY ORGANS . .	218	420	300	287	280	454	368	337	262	247	317·3	295	131	136	13	55	83	8
	4. „ OF DIGESTIVE ORGANS . . .	58	51	55	50	59	55	56	64	52	67	56·7	59	8	11	18	15	14	1
	5. „ OF URINARY ORGANS . . .	12	13	19	21	19	20	18	23	21	27	19·3	33	2	6	5	8	13	1
	6. „ OF ORGANS OF GENERATION .	..	1	1	3	5	3	6	6	8	5	3·8	6	1	1	1	3	1	..
	7. „ OF ORGANS OF LOCOMOTION .	6	4	3	3	6	1	5	5	11	6	5·0	9	..	1	4	2	2	..
	8. „ OF INTEGUMENTARY SYSTEM .	4	4	2	3	3	2	4	8	..	7	3·7	6	2	5	..	1	..	..
IV.	1. DEV. DISEASES OF CHILDREN	38	32	49	38	45	52	54	51	48	49	45·6	37	37	37	..	..	..	..
	2. „ OF ADULTS .	4	5	1	5	8	1	14	10	8	6	6·2	9	..	..	8	1	..	..
	3. „ OF OLD PEOPLE	44	72	52	65	40	74	70	63	64	47	59·1	53	..	..	..	..	19	34
	4. DISEASES OF NUTRITION .	41	62	53	63	43	50	64	62	54	65	55·7	58	48	48	1	2	7	..
V.	*1 ACCIDENT OR NEGLIGENCE .	33	38	31	40	56	34	51	51	34	46	41·4	40	9	20	6	10	4	..
	3. HOMICIDE	2	2	2	4	1	4	7	2	2	4	3·0	3	3	3	..	..	..	..
	4. SUICIDE	6	2	8	6	7	6	9	2	2	4	5·2	9	..	..	2	6	1	..
	5. EXECUTION	..	..	..	..	..	5	..	..	..	..	·5	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	5	7	3	7	6	4	2	3	1	1	3·9	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	5	25	10	15	9	20	4	5	39	5	13·7	18†	1	1	..	1	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.
† Averages amounting to 16 are added without distinction of ages. See note *, page 62.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 26 1859	Feb. 25 1860	Feb. 23 1861	Feb. 22 1862	Feb. 21 1863	Feb. 27 1864	Feb. 25 1865	Feb. 24 1866	Feb. 23 1867	Feb. 22 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 27, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	44°1	34°5	45°9	45°4	39°0	33°0	38°3	36°2	46°5	42°4	40°5	40°9						
I.	ORDER 1.																		
	1. Small-pox	11	39	7	1	25	16	16	26	33	26	20·0	2	1	2	..	..	..	..
	2. Measles	23	13	20	24	31	32	20	46	7	28	24·4	12	12	12	..	..	..	..
	3. Scarlet Fever (Scarlatina)	47	33	36	60	60	57	34	37	20	30	41·4	43	32	42	1	..	..	..
	4. Diphtheria	21	15	11	13	13	15	5	11	4	11	11·9	7	4	6	..	..	1	..
	5. Quinsy	2	..	4	2	4	5	1	..	2	1	2·1	..	..	..	..	..	..	..
	6. Croup	14	7	16	15	21	25	14	15	16	12	15·5	16	15	16	..	..	..	..
	7. Whooping-cough	64	63	78	60	60	65	64	70	76	50	65·0	50	48	50	..	..	..	..
	8. Typhus												26	1	6	9	8	3	..
	— Enteric Fever	27	22	34	72	55	59	69	69	34	48	48·9	18	1	5	6	3	4	..
	— Simple continued Fever												20	6	15	..	3	2	..
	9. Erysipelas	11	1	9	5	9	6	4	6	4	6	6·1	3	..	..	..	1	2	..
	10. Puerperal Fever (Metria)	6	4	3	2	6	5	6	3	..	6	4·1	5	..	1	4	..	..	..
	11. Carbuncle	2	..	..	..	..	2	1	4	1	..	1·0	2	..	..	..	1	1	..
	12. Influenza	2	8	..	3	..	..	..	3	..	..	1·6	1	..	1	..	..	..	..
	13. Dysentery	3	4	2	1	3	1	2	6	..	2	2·4	1	1	1	..	..	..	..
	14. Diarrhœa	6	14	20	9	12	23	14	18	9	9	13·4	9	5	5	1	..	2	1
	15. Simple Cholera	..	..	..	..	1	..	1	..	1	1	·4	1	1	1	..	..	..	..
	16. Ague	..	..	..	..	1	1	..	..	1	..	·3	1	..	..	..	1	..	..
	17. Remittent Fever	3	..	..	2	1	2	2	1	..	..	1·1	1	..	..	1	..	..	..
	18. Rheumatism	5	10	6	11	6	10	18	7	6	8	8·7	10	..	3	1	6	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	1	·1	1	1	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	9	6	10	5	5	14	3	6	6	13	7·7	6	6	6	..	..	..	..
	2. Stricture of Urethra	2	2	..	..	2	1	3	..	2	..	1·2	2	..	..	1	..	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	2	..	..	1	1	..	..	..	·4	..	..	..	..	..	..	..
	2. Want of Breast-milk	10	5	14	9	9	10	8	6	4	3	7·8	3	3	3	..	..	..	..
	3. Purpura and Scurvy	1	1	2	2	1	2	..	6	1	2	1·8	..	..	..	..	..	..	..
	4. Alcoholism *a* Del. Tremens	3	3	2	5	2	2	2	6	..	..	2·5	2	..	..	..	2	..	..
	4. Alcoholism *b* Intemperance	2	3	2	1	2	3	3	1	..	1	1·8	1	..	..	..	1	..	..
	ORDER 4.																		
	1. Thrush	..	3	5	..	2	2	2	3	6	3	2·6	1	1	1	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	3	1	1	1	..	2	..	2	3	1·5	..	..	..	..	..	..	..
	2. Dropsy	14	14	9	21	15	14	18	13	14	14	14·6	19	5	6	2	5	5	1
	3. Cancer	23	23	26	28	21	29	28	33	27	33	27·1	29	..	..	2	15	11	1
	4. Cancrum Oris (Noma)	3	1	1	1	..	2	2	1	1	..	1·2	1	1	1	..	..	..	..
	5. Mortification	3	7	7	4	2	8	3	3	5	4	4·6	6	..	..	..	1	5	..
	ORDER 2.																		
	1. Scrofula	11	4	8	9	10	11	10	8	8	13	9·2	5	3	4	1	..	..	..
	2. Tabes Mesenterica	19	18	10	12	12	12	14	17	18	15	14·7	20	15	17	2	1	..	..
	3. Phthisis	158	171	149	155	162	157	165	214	150	141	162·2	184	18	39	83	49	13	..
	4. Hydrocephalus	31	30	35	36	32	38	40	28	28	32	33·0	36	31	36	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	13	12	9	20	8	8	13	16	23	16	13·8	18	14	16	2	..	..	..
	2. Apoplexy	31	24	26	43	48	31	50	36	33	37	35·9	34	4	4	3	9	17	1
	3. Paralysis	42	40	28	32	15	34	40	34	39	34	33·8	29	..	..	3	9	16	1
	4. Insanity	1	4	1	1	1	4	2	1	4	2	2·1	2	..	..	..	..	2	..
	5. Chorea	1	..	..	..	1	..	..	..	..	..	·2	..	..	..	..	..	..	..
	6. Epilepsy	8	7	5	6	8	7	8	12	7	7	7·5	3	..	..	1	2	..	..
	7. Convulsions	46	63	48	50	44	62	64	69	71	62	57·9	62	60	61	..	..	..	1
	8. *Brain Disease, &c.*	11	15	23	13	14	21	24	24	10	18	17·3	13	1	1	5	2	4	1
	ORDER 2.																		
	1. Pericarditis	3	7	..	3	2	4	1	4	1	3	2·8	1	..	..	..	1	..	..
	2. Aneurism	1	1	2	2	2	1	1	2	2	3	1·7	6	..	..	2	3	1	..
	3. *Heart Disease, &c.*	55	62	58	66	61	90	80	72	55	52	65·1	72	3	10	15	21	23	3
	ORDER 3.																		
	1. Laryngitis	8	4	10	12	9	9	7	6	7	14	8·6	9	8	9	..	..	..	..
	2. Bronchitis	108	251	188	163	152	304	242	210	171	143	193·2	185	69	70	5	36	66	8
	3. Pleurisy	3	1	4	2	5	4	3	5	2	1	3·0	..	..	..	..	..	..	..
	4. Pneumonia	76	131	74	73	72	97	83	95	59	73	83·3	78	47	50	6	15	7	..
	5. Asthma	12	25	13	24	21	21	17	12	14	9	16·8	9	..	..	1	3	5	..
	6. *Lung Disease, &c.*	11	8	11	13	21	19	16	9	9	7	12·4	14	7	7	1	1	5	..
	ORDER 4.																		
	1. Gastritis	4	3	1	6	3	..	1	3	1	1	2·3	3	..	1	..	..	2	..
	2. Enteritis	2	2	1	4	8	4	3	3	4	7	3·8	3	3	3	..	..	..	..
	3. Peritonitis	7	5	3	3	2	3	9	6	6	6	5·0	6	..	1	2	2	1	..
	4. Ascites	6	4	1	2	2	2	2	..	5	1	2·5	2	..	..	1	..	1	..
	5. Ulceration of Intestines	5	3	3	..	3	3	2	3	..	5	2·7	3	..	..	2	1	..	..
	6. Hernia	2	1	2	2	4	4	6	5	3	3	3·2	1	..	..	..	1	..	..
	7. Ileus	..	2	5	3	2	5	2	3	4	4	3·0	1	..	..	..	..	..	1
	8. Intussusception	..	1	1	1	3	2	..	1	..	..	·9	2	..	..	..	2	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism;" of "hæmorrhage" and "abscess"

in the EIGHTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Feb. 26 1859	Feb. 25 1860	Feb. 23 1861	Feb. 22 1862	Feb. 21 1863	Feb. 27 1864	Feb. 25 1865	Feb. 24 1866	Feb. 23 1867	Feb. 22 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Feb. 27, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	44°·1	34°·5	45°·9	45°·4	39°·0	33°·0	38°·3	36°·2	46°·5	42°·4	40°·5	40°·9						
	9. Stricture of Intestines	..	..	1	3	..	..	1	..	..	..	·5	1	..	..	1	..	..	..
	10. Fistula	..	..	1	..	..	..	..	..	1	..	·2	2	..	..	2	..	..	..
	11. *Stomach Disease, &c.*	11	7	9	4	10	9	4	7	8	6	7·5	7	1	1	3	1	2	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	2	2	1	3	4	1	1	5	2	7	2·8	6	..	..	1	3	2	..
	14. Jaundice	6	5	6	7	4	3	6	4	3	1	4·5	4	2	2	2	..	..	..
	15. *Liver Disease, &c.*	13	16	19	12	14	19	19	23	15	26	17·6	18	2	3	4	5	6	..
	16. *Spleen Disease, &c.*	..	..	1	..	..	..	..	1	..	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	2	..	1	1	..	1	1	..	1	..	·7	1	..	1	..	..	..	..
	2. Ischuria	..	..	1	..	..	..	1	..	1	..	·3	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	5	3	7	10	10	13	9	10	9	10	8·6	13	1	3	..	4	6	..
	4. Diabetes	1	..	1	2	1	1	2	1	2	3	1·4	4	..	..	3	1	..	..
	5. Calculus (Stone)	..	1	1	..	1	..	..	1	..	1	·5	..	..	..	..	..	..	..
	6. Cystitis	1	..	..	..	1	2	..	2	1	2	·9	5	..	..	..	1	3	1
	7. *Kidney Disease, &c.*	3	9	8	8	6	3	5	9	7	11	6·9	10	1	2	2	2	4	..
	ORDER 6.																		
	1 Ovarian Dropsy	..	1	1	2	..	1	2	..	3	1	1·1	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	..	..	..	1	5	2	4	6	5	4	2·7	6	1	1	1	3	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	..	1	1	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	6	4	3	3	6	1	5	5	10	5	4·8	9	..	1	4	2	2	..
	ORDER 8.																		
	1. Phlegmon	3	..	..	1	..	1	2	3	..	3	1·3	3	1	3	..	..	..	..
	2. Ulcer	..	..	2	2	3	..	1	3	..	1	1·2	1	1	1	..	..	..	..
	3. *Skin Disease, &c.*	1	4	..	..	..	1	1	2	..	3	1·2	2	..	1	..	1	..	..
IV.	ORDER 1.																		
	1. Premature Birth	23	10	19	21	22	23	32	19	22	27	21·8	19	19	19	..	..	..	..
	2. Cyanosis	1	1	4	1	2	3	4	2	5	4	2·7	1	1	1	..	..	..	..
	3. Spina Bifida	3	3	1	1	3	1	1	1	1	..	1·5	..	..	..	..	..	..	..
	4. Other Malformations	1	..	2	4	1	3	2	3	..	..	1·6	..	..	..	..	..	..	..
	5. Teething	10	18	23	11	17	22	15	26	20	18	18·0	17	17	17	..	..	..	..
	ORDER 2.																		
	1. Paramenia	1	..	..	..	1	..	..	1	..	..	·3	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	5	1	5	7	1	14	9	8	6	5·9	9	..	..	8	1	..	..
	ORDER 3.																		
	1. Old Age	44	72	52	65	40	74	70	63	64	47	59·1	53	..	..	..	..	19	34
	ORDER 4.																		
	1. Atrophy and Debility	41	62	53	63	43	50	64	62	54	65	55·7	58	48	48	1	2	7	..
V.	ORDER 1. (ACCIDENT OR NEGLIGENCE.)																		
	1. Fractures and Contusions	14	10	8	17	15	10	17	18	19	13	14·1	19	..	5	3	7	4	..
	2. Wounds	3	2	1	..	..	2	..	2	..	1	1·1	..	..	..	..	..	..	..
	3. Burns and Scalds	11	8	8	10	15	5	14	15	5	6	9·7	5	2	4	..	1	..	..
	4. Poison	1	2	2	1	1	1	..	1	1	1	1·1	3	1	3	..	..	..	..
	5. Drowning	2	..	..	3	6	2	2	3	2	3	2·3	7	..	2	3	2	..	..
	6. Suffocation	2	16	11	9	15	12	17	9	6	20	11·7	5	5	5	..	..	..	..
	7. Otherwise	..	..	1	..	4	2	1	3	1	2	1·4	1	1	1	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	2	2	4	1	4	7	2	2	4	3·0	3	3	3	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	1	..	..	..	..	..	1	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	4	1	..	..	..	1	3	..	1	..	1·0	2	..	..	..	2	..	..
	2. Poison	..	..	2	1	2	1	1	2	..	1	1·0	1	..	..	..	1	..	..
	3. Drowning	1	1	3	2	1	2	1	..	1	1	1·3	2	..	..	1	1	..	..
	4. Hanging	..	..	3	..	3	2	2	..	..	1	1·1	3	..	..	..	2	1	..
	5. Otherwise	1	..	..	2	1	..	2	..	..	..	·6	1	..	..	1	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	5	..	..	..	..	·5	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	5	7	3	7	6	4	2	3	1	1	3·9	..	..	..	..	..	..	..
	Causes not specified or ill-defined	5	25	10	15	9	20	4	5	39	5	13·7	18*	1	1	..	1	..	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2: 2.

† Averages amounting to 16 are added without distinction of ages. See note *, page 62.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 27th February, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.	Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
February.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . 21	..	29·844	48·6	33·6	15·0	39·9	38·2	92·6	28·7	45·4	44·4	1·7	6·3	0·0	+ 1·1	94	SSE. & ENE.	ENE & NE	0·8	0·0	0·1	196	0·00	0
Monday . 22	Greatest Dec. N.	29·831	40·5	32·2	8·3	33·5	32·5	42·0	31·0	44·4	43·4	1·0	3·7	0·0	— 5·5	95	NE. & NNE.	NNE.	3·1	0·0	0·6	388	0·57	1
Tuesday . 23	..	30·086	42·2	32·6	9·6	37·0	30·1	72·9	31·0	43·4	41·4	6·9	9·9	4·1	— 2·2	76	N.	NNW & WSW.	0·6	0·0	0·1	214	0·00	1
Wednesday 24	..	29·950	49·8	32·0	17·8	41·5	39·8	62·6	27·2	43·7	41·4	1·7	6·1	0·0	+ 2·1	94	SW.	SW.&W.	21·5	0·0	0·7	376	0·13	1
Thursday . 25	..	29·843	47·9	36·0	11·9	41·5	37·5	52·5	30·2	44·4	42·4	4·0	7·0	1·5	+ 1·9	86	WNW.&WSW.	WSW.	15·2	0·0	1·8	439	0·00	1
Friday . . 26	Full Perigee	29·991	52·2	44·1	8·1	47·4	36·8	89·6	37·7	44·4	42·4	10·6	13·6	5·9	+ 7·6	63	WSW. & NW.	W. & SW.	3·2	0·0	0·7	396	0·00	1
Saturday . 27	..	29·924	52·4	38·4	14·0	45·2	34·1	97·7	32·0	43·9	42·4	11·1	16·2	6·2	+ 5·3	65	WSW&NW	NW&WSW	13·3	0·0	1·7	554	0·00	1
Means . .	..	29·924	47·7	35·6	12·1	40·9	35·6	72·8	31·1	44·2	42·5	5·3	9·0	2·5	+ 1·5	82	Variable.		..	..	..	Sum 2563	Sum 0·70	0·9
No. of Columns.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. February.	Electricity.	Sky and Atmosphere.
Sunday . 21	Weak positive was shown in the morning.	Fine; generally cloudless, but hazy and foggy throughout the morning; overcast after 2h. P.M.
Monday . 22	No electricity was shown.	Overcast. During the early morning hours rain fell heavily; about 8h. A.M. the rain changed to snow, which continued to fall till evening.
Tuesday . 23		Partially cloudy. A fine day.
Wednesday 24		Overcast till night, then partially cloudy. A shower of rain fell between 5h. 30m. and 8h. P.M.
Thursday . 25		Generally overcast. A little fine rain fell in the afternoon.
Friday . 26		A fine day; partially cloudy.
Saturday . 27	The insulating lamp was not burning.	A fine day; light clouds prevailed.

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·74 in. at the beginning of the week to 29·86 in. by 9h. P.M. on the 21st; decreased to 29·82 in. by 3h. P.M. on the 22d; increased to 30·18 in. by 9h. P.M. on the 23d; decreased to 29·75 in. by 9h. P.M. on the 24th; increased to 29·92 in. by 9h. A.M. on the 25th; decreased to 29·72 in. by 9h. P.M. on the same day; increased to 30·02 in. by noon on the 26th; decreased to 29·88 in. by 9h. A.M. on the 27th; and was 29·94 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.



By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 9. 1869. Vol. XXX.] Week ending Saturday, March 6. [Price 1*d.*

General Register Office, Somerset House,
8th March 1869.

In the week that ended on Saturday, 6th March, 4839 births, and 3323 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 26 per 1000 persons living.

The annual rate of mortality last week was 24 per 1000 in London, and 30 in Edinburgh; 25 in Bristol, 18 in Birmingham, 26 in Liverpool, 30 in Manchester, 23 in Salford, 31 in Sheffield, 27 in Bradford, 27 in Leeds, 23 in Hull, 35 in Newcastle-upon-Tyne, and 38 in Glasgow. The rate in Vienna was 38 per 1000 during the week ending the 27th ult., and in Berlin 30 per 1000 during the seven days ending the 4th instant.

In London the births of 1144 boys and 1163 girls, in all 2307 children, were registered in the week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2298.

The deaths registered in London during the week were 1487. It was the ninth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1541. The deaths in the present return are less by 54 than the estimated amount.

The deaths from zymotic diseases were 284, the corrected average number being 320. Six deaths from small-pox, 25 from measles, 56 from scarlet fever, 4 from diphtheria, 65 from whooping-cough, 15 from typhus fever, 26 from enteric fever, 11 from simple continued fever, and 18 from diarrhœa were registered.

The deaths from measles, scarlet fever, and whooping-cough exhibit an increase on the numbers in the preceding week. Measles was most fatal in the South districts, scarlet fever in the North and East districts, and whooping-cough in the North, East, and South districts.

One hundred and sixty-one deaths occurred from phthisis, 196 from bronchitis, and 98 from pneumonia. The corrected average number of deaths from phthisis is 176, from bronchitis 204, and from pneumonia 89.

The deaths of 2 persons from delirium tremens, of 5 infants and one adult from syphilis, of 2 children from burns or scalds, of 3 persons from drowning, of 8 infants from suffocation, and of 3 persons who committed suicide were registered.

A valet, aged 36 years, died on 26th February, in St. George's Hospital, from "glanders" (3 weeks).

The following deaths of 5 persons killed by vehicles in the streets were recorded:—

A general dealer, aged 54 years, "laceration of heart, fractured breast bone and ribs," run over by a cart, in Westmorland-street, St. George Hanover-square, on 27th February. Died in a few minutes. *Post mort.* (*Inquest.*)

The son of an omnibus driver, run over. Died on 26th February, in the London Hospital.

A bricklayer, aged 47 years, thrown from a cart. Died on 27th February, in the London Hospital.

The son of a carman, aged 13 years, "compound fracture of leg, fracture of jaw, tetanus," run over by a waggon. Died on 4th March, in Guy's Hospital. (*Inquest.*)

A labourer, aged 55 years, run over by a carriage (the horses having run away on the coachman leaving his box). Died on 28th February, in Charing-cross Hospital. *Post mort.* (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·706 in. The barometrical reading increased from 28·99 in. on Tuesday, 2d March, to 30·14 in. at the end of the week. The mean temperature of the air in the week was 39·1°, which is 1·1° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 53·6° on Friday, 5th March. The lowest night temperature was 28·8° on Thursday, 4th March. The entire range of temperature in the week was, therefore, 24·8°. The mean of the highest temperatures of the water of the Thames was 43·1°; that of the lowest was 41·3°. The difference between the mean dew-point temperature and air temperature was 7·2°. The mean degree of humidity of the air was 76, complete saturation being represented by 100. Rain fell to the amount of 0·47 in. The general direction of the wind was variable. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 334,008 cubic metres, and at Barking 176,420 cubic metres, equivalent to about as many tons by weight.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of Febuary 1869: thus, according to their account, 92,323,860 gallons or 419,470 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 90·9 decalitres, rather less than a *ton* by weight, to each house, and 12·8 decalitres (= 28·2 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of February, it may be estimated that about 75,875,752 gallons were probably used for domestic purposes, or about 23·2 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	January 1869.	February 1869.	January 1869.	February 1869.
Total Supply . . .	461,220	461,561	91,578,341	92,323,860
From Thames	210,205	210,487	48,037,158	48,271,799
From Lea and from other Sources . .	251,015	251,074	43,541,183	44,052,061
Thames.				
Chelsea	27,083	27,083	8,247,000	7,678,200
West Middlesex	39,131	39,131	7,689,933	7,678,005
Southwark and Vauxhall . . .	72,257	72,292	13,901,382	13,638,569
Grand Junction	29,828	29,923	8,649,443	9,732,125
Lambeth	41,906	42,058	9,549,400	9,544,900
Lea and other Sources.				
New River	115,579	115,638	19,772,000	20,183,000
East London	97,971	97,971	17,310,000	17,593,835
Kent	37,465	37,465	6,459,183	6,275,226

Note.—The Return for February as compared with that for January shows an increase of 341 houses, and an increase of 745,519 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Ninth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total **Births**	1941	1773	2028	1905	2240	2139	2242	2087	2215	2324	2089·4	2307
Males . .	1001	877	1020	965	1163	1120	1125	1026	1126	1206	1062·9	1144
Females . .	940	896	1008	940	1077	1019	1117	1061	1089	1118	1026·5	1163
Total **Deaths**	1215	1442	1238	1322	1440	1766	1482	1545	1295	1266	1401·1	1487
Males . .	618	713	643	679	733	910	763	762	670	668	715·9	740
Females . .	597	729	595	643	707	856	719	783	625	598	685·2	747

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

...day, the 6th day of March 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except LONDON.)

BOROUGHS, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	BIRTHS. Corrected Average Weekly Number in 10 Years 1851-60.	BIRTHS. Registered during the Week ending 6th March.	DEATHS. Corrected Average Weekly Number in 10 Years 1851-60.	DEATHS. Registered during the Week ending 6th March.	TEMPERATURE OF THE AIR. (FAHRENHEIT.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	RAIN FALL. In Inches.	In Tons per Acre.	TEMPERATURE OF THE AIR. (CENTIGRADE.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	RAIN FALL per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4839**	**3244**	**3323**	**54·5**	**23·0**	**38·1**	**0·68**	**69**	**12·50**	**−5·00**	**3·39**	**173**
LONDON (Metropolis)	3,170,754	40·7	2070	2307	1462	1487	53·6	28·8	39·1	0·47	47	12·01	−1·77	3·95	119
BRISTOL (City)	169,423	36·1	109	118	76	82 *	54·5	28·7	41·4	0·34	34	12·50	−1·83	5·22	86
BIRMINGHAM (Borough)	360,846	46·1	283	281	175	127	51·9	30·4	40·1	0·69	70	11·06	−0·89	4·50	175
LIVERPOOL (Borough)	509,052	99·7	345	409	295	256	49·6	33·3	40·1	0·41	41	9·78	0·73	4·50	104
MANCHESTER (City)	370,892	82·7	277	251	210	212 *	50·8	27·0	39·5	0·73	74	10·45	−2·78	4·17	185
SALFORD (Borough)	119,350	23·1	89	94	60	53	48·6	28·0	38·6	0·65	66	9·23	−2·22	3·07	165
SHEFFIELD (Borough)	239,752	10·5	196	167	126	144	50·0	28·8	37·8	1·37	138	10·00	−1·77	3·23	348
BRADFORD (Borough)	138,522	21·0	105	138	71	73	50·0	27·0	38·8	0·68	69	10·00	−2·78	3·78	173
LEEDS (Borough	253,110	11·7	189	243	129	133	50·0	31·0	39·9	0·82	83	10·00	0·56	4·39	208
HULL (Borough)	126,682	35·6	83	80	59	56	38·0	23·0	35·0	0·33	33	3·33	−5·00	1·67	84
NEWCASTLE-ON-TYNE (Borough)	130,503	24·5	90	93	69	88	48·0	23·0	34·9	0·58	59	8·89	−5·00	1·61	147
EDINBURGH (City)	178,002	40·2	112	122	86	104	46·7	26·0	35·0	0·70	71	8·17	−3·33	1·67	178
GLASGOW (City)	458,937	90·6	374	352	268	332	47·2	27·4	35·6	1·02	103	8·44	−2·56	2·01	259
DUBLIN (City and some suburbs)	320,762	32·9	219	184 †	158	176 †	..	..	..	..	..	..	..	..	..
	(1863)			Week ending 27th Feb. 1869.		Week ending 27th Feb. 1869.	Week ending 27th February 1869.					Week ending 27th February 1869.			
VIENNA (City)	560,000	..	..	..	..	411	..	..	41·5	..	..	..	..	5·25	..
	(1867)			Week ending 4th Mar. 1869.		Week ending 4th Mar. 1869.	Week ending 4th March 1869.					Week ending 4th March 1869.			
BERLIN (City)	702,437	..	..	629	..	414	..	..	39·2	..	..	..	..	4·00	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandesborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

† The return for Dublin did not come to hand in time for insertion; an average of the births and deaths in the four preceding weeks has therefore been used, to make up a total for the 14 large towns.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 6th March, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2307	1487	6	25	56	4	65	52	18
WEST DISTRICTS -	341	231	-	3	6	-	3	5	1
NORTH DISTRICTS -	542	350	2	6	15	1	14	14	5
CENTRAL DISTRICTS	225	173	-	1	1	-	6	3	3
EAST DISTRICTS -	479	294	-	4	27	2	14	17	3
SOUTH DISTRICTS -	720	439	4	11	7	1	28	13	6
WEST DISTRICTS.									
St. Mary Paddington *WH*	43	26	-	1	1	-	-	-	-
St. John Paddington H	16	12	-	-	-	-	-	-	-
Kensington Town *W* -	61	32	-	1	-	-	-	1	-
Brompton H - -	14	10	-	-	1	-	-	1	-
St. Peter Hammersmith	5	2	-	-	-	-	-	-	-
St. Paul Hammersmith	21	11	-	-	-	-	-	1	-
Fulham *W* - - -	16	10	-	-	-	-	1	-	-
Chelsea South H - -	11	9	-	-	-	-	-	-	-
Chelsea North-west H*Ww*	10	15	-	-	-	-	-	-	-
Chelsea North-east -	14	10	-	-	-	-	-	-	1
Hanover Square - -	6	7	-	-	-	-	-	-	-
May Fair *W* - -	4	2	-	-	-	-	-	-	-
Belgrave H - - -	37	27	-	-	-	-	1	-	-
St. John Westminster -	32	13	-	-	3	-	-	1	-
St. Margaret West. *WH*	19	20	-	1	1	-	-	-	-
St. James's Square -	3	3	-	-	-	-	-	-	-
Golden Square *W* -	6	6	-	-	-	-	-	-	-
Berwick-street - -	11	5	-	-	-	-	-	-	-
St. Anne Soho - -	12	11	-	-	-	-	1	1	-
NORTH DISTRICTS.									
All Souls Marylebone H	22	20	-	-	1	1	-	-	-
Cavendish Square - -	6	8	-	-	-	-	-	1	-
Rectory Marylebone *W*	22	16	-	-	-	-	-	-	-
St. Mary Marylebone -	20	11	-	-	2	-	-	1	-
Christchurch Marylebone	25	14	-	-	-	-	-	-	-
St. John Marylebone -	17	18	-	-	-	-	1	-	1
Hampstead *W* - -	12	8	-	-	1	-	-	1	-
Regent's Park Pancras -	28	19	-	1	3	-	1	-	1
Tottenham-court *wH* -	15	16	-	-	1	-	1	1	-
Gray's Inn Lane H -	21	11	-	-	-	-	2	-	-
Somers Town - -	27	16	-	-	-	-	-	-	-
Camden Town *W* -	24	25	-	-	-	-	-	1	-
Kentish Town - -	60	28	-	-	3	-	1	-	-
Islington West* *WHH*	83	44	2	-	1	-	5	6	-
Islington East *Ww* -	85	46	-	1	2	-	3	1	3
Stoke Newington - -	4	6	-	1	-	-	-	-	-
Stamford Hill - -	4	1	-	-	-	-	-	-	-
West Hackney - -	22	5	-	-	-	-	-	1	-
Hackney *WHw* - -	22	28	-	3	1	-	-	-	-
South Hackney L -	23	10	-	-	-	-	-	1	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	14	7	-	-	-	-	-	-	-
St. Giles South *W* -	11	13	-	-	-	-	1	-	-
St. Giles North - -	9	6	-	-	-	-	-	-	1
Long Acre - - -	5	4	-	-	-	-	1	-	-
Charing Cross *WH* -	7	9	-	-	-	-	-	-	-
St. Mary-le Strand -	5	2	-	-	-	-	-	-	-
St. Clement Danes H -	8	10	-	-	-	-	-	-	-
St. George-the-Martyr H	15	16	-	-	-	-	-	-	-
St. Andrew, East Holb. *W*	13	7	-	-	-	-	-	-	-
Saffron Hill - - -	2	3	-	-	-	-	-	-	-
St. James Clerkenwell *W*	12	11	-	-	-	-	-	-	-
Amwell Clerkenwell -	13	7	-	-	-	-	-	-	-
Pentonville - - -	10	1	-	-	-	-	-	-	-
Goswell street - -	12	6	-	-	-	-	-	-	-
Old-street - - -	7	4	-	-	-	-	-	-	-
City-road HL - -	21	5	-	-	-	-	-	1	-
Whitecross-street - -	15	16	-	-	1	-	1	-	-
Finsbury - - -	5	5	-	-	-	-	1	1	1
St. Botolph East London	11	3	-	-	-	-	-	-	-
Cripplegate - - -	10	8	-	1	-	-	-	1	-
West London North *WH*	4	16	-	-	-	-	-	-	-
West London South	5	4	-	-	-	-	1	-	1
London City South-west	2	1	-	-	-	-	-	-	-
London City North-west	3	3	-	-	-	-	-	-	-
London City South -	3	1	-	-	-	-	1	-	-
London City South-east	2	1	-	-	-	-	-	-	-
London City North-east	1	4	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.
EAST DISTRICTS.								
Holywell Shoreditch -	12	4	-	-	1	-	-	-
St. Leonard Shrdtch. L†	15	13	-	-	1	-	1	-
Hoxton New Town *w* -	26	14	-	-	-	-	-	3
Hoxton Old Town - -	20	2	-	-	1	-	-	-
Haggerstone West *W* -	24	13	-	-	-	-	-	-
Haggerstone East - -	14	5	-	-	-	2	1	-
Hackney-road - -	24	7	-	1	-	-	2	-
Green, Bthnl.Grn. *WHL*†	26	21	-	-	1	-	-	1
Church, Bethnal Green	17	12	-	-	-	-	2	-
Town, Bethnal Green -	17	7	-	-	-	-	-	1
Artillery Whitechapel -	3	2	-	-	1	-	-	-
Spitalfields - - -	10	9	-	-	1	-	1	-
Mile End New Town *W*	11	25	-	-	2	-	-	3
Whitechapel North -	5	4	-	1	-	-	-	1
Whitechapel Church H	4	15	-	-	1	-	-	-
Goodman's Fields - -	6	2	-	-	-	-	-	-
Aldgate - - - -	5	1	-	-	-	-	-	-
St. Mary St. Geo. East -	12	10	-	-	1	-	-	-
St. Paul St. Geo. East -	19	10	-	-	3	-	1	1
St. John St. Geo. East *W*	9	9	-	-	-	-	-	-
Shadwell *W* - - -	6	10	-	-	1	-	-	1
Ratcliff *W* - - -	11	9	-	-	1	-	1	-
Limehouse *W* - -	14	11	-	-	1	-	1	1
Mile End Old Town, West	35	10	-	-	2	-	-	2
Mile End Old T., East *Ww*	38	15	-	2	-	-	-	-
Bow *ww*L† - - -	59	31	-	-	4	-	2	2
Poplar *W* - - -	37	23	-	-	5	-	2	1
SOUTH DISTRICTS.								
Christchurch Sthwark. *W*	13	7	-	-	-	-	-	-
St. Saviour Southwark H	10	11	-	1	-	-	4	-
St. Olave Southwark H	3	19	-	-	-	-	-	1
St. John Horsleydown *W*	8	5	-	-	-	-	-	-
St. James Bermondsey -	41	17	-	-	-	-	1	-
St. Mary Magdalen *W*	15	8	-	-	-	-	-	-
Leather Market - -	11	9	-	-	1	-	-	-
Kent-road - - -	11	11	-	-	-	-	1	-
Borough-road *W* - -	14	12	-	-	-	-	2	-
London-road L - -	10	6	-	-	-	-	-	-
Trinity Newington -	19	15	-	-	2	-	2	-
St. Peter Walworth *W*	58	17	1	-	-	-	-	-
St. Mary Newington H -	6	13	-	2	-	-	-	-
Waterloo-road 1st - -	4	8	-	2	-	-	2	1
Waterloo-road 2nd -	14	9	-	-	-	-	2	-
Lambeth Church 1st -	12	7	-	-	-	-	-	1
Lambeth Church 2nd *W*	33	31	-	1	-	-	1	3
Kennington 1st - -	29	12	-	-	-	-	1	-
Kennington 2nd - -	23	11	-	-	-	-	-	-
Brixton - - - -	25	10	-	-	-	-	-	-
Norwood *W* - - -	10	5	-	-	-	-	-	-
Clapham - - -	12	7	-	-	-	-	1	-
Battersea *Ww* - -	38	21	2	-	-	-	2	1
Wandsworth L - -	10	11	-	3	-	-	-	-
Putney - - - -	9	2	-	-	-	-	-	-
Streatham - - -	5	2	-	1	-	-	-	-
Dulwich - - -	3	2	-	-	-	-	-	-
Camberwell *WL*†*L*† -	15	15	-	-	-	1	2	-
Peckham - - -	27	11	-	-	-	-	-	-
St. George Camberwell -	21	11	-	-	1	-	-	1
Rotherhithe *W* - -	20	14	-	-	1	-	1	-
St. Paul Deptford - -	33	23	1	-	1	-	-	2
St. Nicholas Deptford -	4	4	-	-	-	-	-	-
Greenwich West H -	10	13	-	-	-	-	1	1
Greenwich East *WH* -	20	19	-	-	-	-	1	-
Eltham - - - -	4	1	-	-	-	-	-	-
Lee - - - -	10	5	-	1	1	-	-	-
Lewisham Village *W* -	3	5	-	-	-	-	2	-
Sydenham - - -	21	4	-	-	-	-	-	-
Charlton H - - -	8	7	-	-	-	-	-	-
Woolwich Dockyard H	24	7	-	-	-	-	-	-
Woolwich Arsenal H -	29	3	-	-	-	-	-	1
Plumstead, West - -	12	3	-	-	-	-	1	1
Plumstead, East - -	13	6	-	-	-	-	1	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the NINTH WEEK of each of the following Years.

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 5 1859	Mar 3 1860	Mar 2 1861	Mar 1 1862	Feb. 28 1863	Mar 5 1864	Mar 4 1865	Mar 3 1866	Mar 2 1867	Feb. 29 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 6, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	48°·4	40°·9	42°·5	37°·4	43°·4	40°·9	42°·1	34°·4	39°·0	46°·9	41°·6	Mean Temp. 39°·1						
	ALL CAUSES . . .	1215	1442	1238	1322	1440	1766	1482	1545	1295	1266	1401·1	1487	592	682	217	279	252	57
	SPECIFIED CAUSES .	1204	1430	1227	1311	1435	1757	1467	1527	1294	1235	1388·7	1483	590	680	216	278	252	57
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	265	232	267	302	364	361	299	284	282	252	290·8	284	176	211	35	22	12	4
II.	CONSTITUTIONAL „ .	255	257	230	252	278	298	267	327	266	242	267·2	269	61	77	91	80	18	3
III.	LOCAL „ .	509	713	526	549	581	847	667	690	544	540	616·6	710	251	284	74	156	169	27
IV.	DEVELOPMENTAL „ .	141	181	150	165	177	211	154	178	149	158	166·4	170	94	95	5	2	46	22
V.	VIOLENT DEATHS . .	34	47	54	43	35	40	80	48	53	43	47·7	50	8	13	11	18	7	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES .	247	207	243	286	341	334	275	267	251	231	268·2	260	162	195	32	18	12	3
	2. ENTHETIC „ . .	5	10	10	4	9	5	11	6	15	8	8·3	11	5	5	3	2	..	1
	3. DIETIC „ . .	12	10	10	12	13	18	11	8	13	12	11·9	10	6	8	..	2	..	..
	4. PARASITIC „ . .	1	5	4	..	1	4	2	3	3	1	2·4	3	3	3	..	..	..	..
II.	1. DIATHETIC „ . .	43	39	35	45	51	58	49	57	51	46	47·4	51	4	6	4	23	15	3
	2. TUBERCULAR „ . .	212	218	195	207	227	240	218	270	215	196	219·8	218	57	71	87	57	3	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	153	178	136	137	138	194	144	194	168	169	161·1	185	77	84	16	36	40	9
	2. „ OF ORGANS OF CIRCULATION .	50	52	57	56	63	100	80	68	52	55	63·3	67	1	10	9	25	20	3
	3. „ OF RESPIRATORY ORGANS . .	244	394	246	274	287	456	335	319	246	238	303·9	341	163	173	25	50	82	11
	4. „ OF DIGESTIVE ORGANS . .	40	62	51	55	57	59	63	76	44	40	54·7	72	7	10	15	26	18	3
	5. „ OF URINARY ORGANS . . .	11	13	25	21	23	25	27	21	26	25	21·7	31	1	3	5	15	7	1
	6. „ OF ORGANS OF GENERATION .	5	7	2	3	3	3	6	6	3	4	4·2	5	..	..	1	3	1	..
	7. „ OF ORGANS OF LOCOMOTION .	3	3	3	..	3	4	8	2	3	5	3·4	5	..	1	2	1	1	..
	8. „ OF INTEGUMENTARY SYSTEM .	3	4	6	3	7	6	4	4	2	4	4·3	4	2	3	1	..	..	..
V.	1. DEV. DISEASES OF CHILDREN	43	54	40	42	43	62	40	46	43	55	46·8	38	38	38	..	..	..	..
	2. „ OF ADULTS . .	8	7	4	7	6	3	5	5	3	2	5·0	6	..	..	5	1	..	..
	3. „ OF OLD PEOPLE	54	66	52	57	58	88	56	62	40	42	57·5	59	..	..	..	..	37	22
	4. DISEASES OF NUTRITION .	36	54	54	59	70	58	53	65	63	59	57·1	67	56	57	..	1	9	..
VI.	1. ACCIDENT OR NEGLIGENCE .	28	41	44	35	27	35	68	44	44	37	40·3	45	8	13	10	15	7	..
*	3. HOMICIDE	3	4	2	4	3	1	3	1	2	..	2·3	2	..	..	1	..	..	1
	4. SUICIDE	3	2	8	4	5	4	9	3	6	6	5·0	3	..	..	..	3	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	9	2	4	2	4	9	9	7	..	2	4·8	1	..	..	..	1	..	..
	CAUSES NOT SPECIFIED . .	2	10	7	9	1	..	6	11	1	29	7·6	3	2	2	1	..	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 5 1859	Mar 3 1860	Mar 2 1861	Mar 1 1862	Feb. 28 1863	Mar 5 1864	Mar 4 1865	Mar 3 1866	Mar 2 1867	Feb. 29 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 6, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	°48·4	°40·9	°42·5	°37·4	°43·4	°40·9	°42·1	°34·4	°39·0	°46·9	°41·6	Mean Temp. °39·1						
I.	ORDER 1.																		
	1. Small-pox	22	41	6	2	42	13	16	16	49	18	22·5	6	2	4	1	1	..	..
	2. Measles	26	20	23	12	36	29	17	43	14	22	24·2	25	23	25	..	..	..	..
	3. Scarlet Fever (Scarlatina)	50	37	31	61	68	65	33	35	23	23	42·6	56	36	52	4	..	..	..
	4. Diphtheria	27	12	6	20	13	11	7	10	7	9	12·2	4	4	4	..	..	..	..
	5. Quinsy	5	1	..	..	2	5	2	1	1	..	1·7	..	..	..	..	..	..	..
	6. Croup	8	5	24	21	18	16	18	13	20	21	16·4	12	12	12	..	..	..	..
	7. Whooping-cough	51	41	86	57	54	77	81	52	78	55	63·2	65	64	65	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	23	22	21	61	59	72	67	51	36	50	46·2	15 26 11	.. 5 2	2 10 4	7 10 2	4 3 1	2 2 4	.. 1 ..
	9. Erysipelas	7	8	3	4	9	10	6	3	1	6	5·7	8	1	1	2	4	1	..
	10. Puerperal Fever (Metria)	4	3	1	5	9	7	2	7	3	6	4·7	3	..	..	3	..	..	..
	11. Carbuncle	1	1	5	..	2	..	2	1	..	1	1·3	..	..	..	..	..	..	..
	12. Influenza	2	..	1	6	2	1	2	..	1	..	1·5	2	1	1	..	..	1	..
	13. Dysentery	1	1	2	..	1	1	2	3	1	1	1·3	..	..	..	..	..	..	..
	14. Diarrhœa	15	7	18	17	11	14	10	24	9	13	13·8	18	12	13	..	2	2	1
	15. Simple Cholera	1	..	1	..	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	16. Ague	..	1	2	4	1	..	..	1	1	1	1·1	..	..	..	..	..	..	..
	17. Remittent fever	4	2	2	2	3	4	1	..	..	..	1·8	1	..	..	1	..	..	..
	18. Rheumatism	..	5	11	14	11	9	9	7	6	5	7·7	8	..	2	2	3	..	1
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	4	8	6	3	7	4	8	6	14	6	6·6	6	5	5	1	..	..	..
	2. Stricture of Urethra	1	2	4	1	2	1	2	..	1	2	1·6	4	..	..	1	2	..	1
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	1	..	..	..	·1	1	..	..	1	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	1	1	2	2	1	2	..	·9	..	..	..	..	..	..	..
	2. Want of Breast-milk	9	6	4	7	7	7	6	5	10	9	7·0	6	6	6	..	..	..	..
	3. Purpura and Scurvy	..	2	..	3	..	3	1	1	1	1	1·2	2	..	2	..	..	..	..
	4. Alcoholism (*a* Del. Tremens)	1	2	3	1	3	2	2	..	..	2	1·6	2	..	..	..	2	..	..
	4. Alcoholism (*b* Intemperance)	2	..	3	..	2	4	..	1	..	..	1·2	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	1	5	4	..	1	4	2	3	3	1	2·4	3	3	3	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	1	1	3	1	..	..	1	2	3	1·3	1	..	..	..	..	1	..
	2. Dropsy	11	15	10	15	15	15	20	22	9	15	14·7	14	3	5	1	4	3	1
	3. Cancer	24	18	21	23	31	38	25	30	37	23	27·0	30	..	..	2	17	9	2
	4. Cancrum Oris (Noma)	1	..	1	..	..	1	..	..	2	..	·5	1	1	1	..	..	..	..
	5. Mortification	6	5	2	4	4	4	4	4	1	5	3·9	5	..	..	1	2	2	..
	ORDER 2.																		
	1. Scrofula	5	6	10	10	6	9	8	12	8	2	7·6	10	5	7	2	1	..	..
	2. Tabes Mesenterica	17	14	13	17	20	14	20	24	15	19	17·3	11	9	10	1	..	..	..
	3. Phthisis	145	161	131	148	159	192	157	201	164	144	160·2	161	9	18	84	56	3	..
	4. Hydrocephalus	45	37	41	32	42	25	33	33	28	31	34·7	36	34	36	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	21	13	4	8	10	15	12	12	11	25	13·1	14	7	10	2	2	..	..
	2. Apoplexy	34	34	34	30	37	55	32	43	36	34	36·9	35	4	4	4	10	13	4
	3. Paralysis	31	37	20	19	32	35	18	30	33	32	28·7	37	..	..	3	10	20	4
	4. Insanity	3	..	..	..	1	1	2	3	2	1	1·3	..	..	..	..	..	..	..
	5. Chorea	..	..	..	..	1	..	..	..	..	..	·1	2	..	2	..	..	..	..
	6. Epilepsy	7	14	7	4	4	7	5	5	4	5	6·2	12	1	2	3	6	1	..
	7. Convulsions	43	55	50	57	40	55	54	67	61	59	54·1	62	62	62	..	..	..	..
	8. *Brain Disease, &c.*	14	25	21	19	13	26	21	34	21	13	20·7	23	3	4	4	8	6	1
	ORDER 2.																		
	1. Pericarditis	3	..	5	2	2	6	1	3	..	2	2·4	3	..	2	1	..	..	..
	2. Aneurism	..	..	1	4	3	6	1	1	..	3	1·9	4	..	..	..	4	..	..
	3. *Heart Disease, &c.*	47	52	51	50	58	88	78	64	52	50	59·0	60	1	8	8	21	20	3
	ORDER 3.																		
	1. Laryngitis	6	8	10	10	15	9	14	5	8	7	9·2	12	11	11	..	1	..	..
	2. Bronchitis	136	237	147	151	167	299	206	230	148	138	185·9	196	78	80	9	28	69	10
	3. Pleurisy	2	2	4	8	3	1	6	4	3	3	3·6	7	2	3	3	1	..	..
	4. Pneumonia	75	118	77	74	72	112	78	60	65	74	80·5	98	64	71	9	14	3	1
	5. Asthma	20	22	4	13	17	26	10	12	8	4	13·6	12	..	..	2	5	5	..
	6. *Lung Disease, &c.*	5	7	4	18	13	9	21	8	14	12	11·1	16	8	8	2	1	5	..
	ORDER 4.																		
	1. Gastritis	..	2	1	5	2	2	3	..	1	..	1·6	4	..	..	1	1	2	..
	2. Enteritis	4	3	6	5	3	3	5	7	7	4	4·7	8	4	5	..	3	..	..
	3. Peritonitis	3	1	3	6	6	7	6	6	5	2	4·5	5	1	2	1	2	..	..
	4. Ascites	2	4	3	2	3	3	2	7	2	1	2·9	2	..	..	1	..	..	1
	5. Ulceration of Intestines	4	3	3	1	2	1	4	3	2	2	2·5	4	..	..	2	2	..	..
	6. Hernia	4	3	3	3	2	2	4	5	1	4	3·1	6	..	..	2	..	4	..
	7. Ileus	1	3	8	2	3	5	2	1	4	3	3·2	..	..	..	..	..	..	..
	8. Intussusception	2	1	..	..	2	1	..	2	..	1	·9	1	..	..	..	1	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism" of "hæmorrhage" and "abscess"

the NINTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 5 1859	Mar 3 1860	Mar 2 1861	Mar 1 1862	Feb. 28 1863	Mar 5 1864	Mar 4 1865	Mar 3 1866	Mar 2 1867	Feb. 29 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 6, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	48°·4	40°·9	42°·5	37°·4	43°·4	40°·9	42°·1	34°·4	39°·0	46°·9	41°·6	Mean Temp. 39°·1						
	9. Stricture of Intestines	..	3	1	2	1	1	2	2	1	..	1·3	..	..	..	..	..	..	..
	10. Fistula	..	1	1	..	2	1	..	..	1	1	·7	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	9	11	5	8	6	6	7	10	3	5	7·0	6	..	1	1	1	3	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	2	5	3	3	5	4	3	4	2	2	3·3	3	..	..	..	2	1	..
	14. Jaundice	2	2	3	3	3	5	2	7	1	4	3·2	4	2	2	1	1	..	..
	15. *Liver Disease, &c.*	7	20	11	15	17	17	23	22	13	10	15·5	28	..	..	6	12	8	2
	16. *Spleen Disease, &c.*	..	..	..	..	..	1	..	..	1	1	·3	1	..	..	..	1	..	..
	ORDER 5.																		
	1. Nephritis	..	..	1	3	2	..	..	..	1	..	·7	4	..	..	2	1	..	1
	2. Ischuria	..	..	1	..	..	..	..	..	..	..	·1	1	..	..	..	1	..	..
	3. Bright's disease (Nephria)	5	6	12	9	12	13	15	12	15	12	11·1	17	1	3	3	9	2	..
	4. Diabetes	1	1	2	2	1	1	2	1	1	4	1·6	..	..	..	..	..	..	..
	5. Calculus (Stone)	..	1	..	..	1	1	3	..	2	2	1·0	1	..	..	..	..	1	..
	6. Cystitis	..	..	..	1	1	..	..	1	1	1	·5	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	5	5	9	6	6	10	7	7	6	6	6·7	7	..	..	..	4	3	..
	ORDER 6.																		
	1. Ovarian Dropsy	3	1	..	..	1	..	..	1	1	2	·9	1	..	..	..	1	..	..
	2. *Uterus Disease, &c.*	2	6	2	3	2	3	6	5	2	2	3·3	4	..	..	1	2	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	1	1	..	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	3	3	3	..	3	3	7	2	3	5	3·2	5	..	1	2	1	1	..
	ORDER 8.																		
	1. Phlegmon	2	1	3	..	3	1	3	..	1	1	1·5	2	1	2	..	..	..	..
	2. Ulcer	1	2	2	1	2	3	..	4	..	2	1·7	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	..	1	1	2	2	2	1	..	1	1	1·1	2	1	1	1	..	..	..
V.	ORDER 1.																		
	1. Premature Birth	14	26	15	16	23	26	13	20	18	26	19·7	18	18	18	..	..	..	..
	2. Cyanosis	1	4	5	3	3	3	1	5	1	1	2·7	2	2	2	..	..	..	..
	3. Spina Bifida	4	1	1	1	..	1	..	2	2	..	1·2	..	..	..	..	..	..	..
	4. Other Malformations	2	6	2	1	..	3	2	3	2	2	2·3	1	1	1	..	..	..	..
	5. Teething	22	17	17	21	17	29	24	16	20	26	20·9	17	17	17	..	..	..	..
	ORDER 2.																		
	1. Paramenia	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	7	7	4	7	6	3	5	5	3	2	4·9	6	..	..	5	1	..	..
	ORDER 3.																		
	1. Old Age	54	66	52	57	58	88	56	62	40	42	57·5	59	..	..	..	..	37	22
	ORDER 4.																		
	1. Atrophy and Debility	36	54	54	59	70	58	53	65	63	59	57·1	67	56	57	..	1	9	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	11	16	17	12	9	15	26	21	16	14	15·7	26	..	2	4	13	7	..
	2. Wounds	..	2	2	1	..	..	1	..	2	..	·8	1	..	..	1	..	..	..
	3. Burns and Scalds	8	11	10	6	8	10	21	3	6	13	9·6	2	..	2	..	..	..	..
	4. Poison	2	2	1	1	..	..	2	..	..	..	·8	1	..	..	..	1	..	..
	5. Drowning	4	1	1	4	1	1	1	2	3	2	2·0	3	..	..	2	1	..	..
	6. Suffocation	3	7	11	10	8	5	15	17	14	8	9·8	8	8	8	..	..	..	..
	7. Otherwise	..	2	2	1	1	4	2	1	3	..	1·6	4	..	1	3	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	3	4	2	4	3	1	3	1	2	..	2·3	2	..	..	1	..	..	1
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	1	..	..	..	..	..	..	..	·1	1	..	..	..	1	..	..
	1. Wounds { Cut, Stab	2	..	1	1	3	1	..	..	1	1	1·0	1	..	..	..	1	..	..
	2. Poison	1	..	2	1	1	1	2	..	..	..	·8	..	..	..	..	..	..	..
	3. Drowning	..	1	1	1	1	..	2	..	3	..	·9	1	..	..	..	1	..	..
	4. Hanging	..	1	2	1	..	1	3	3	2	5	1·8	..	..	..	..	..	..	..
	5. Otherwise	..	..	1	..	..	1	2	..	..	..	·4	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	9	2	4	2	4	9	9	7	..	2	4·8	1	..	..	..	1	..	..
	Causes not specified or ill-defined	2	10	7	9	1	..	6	11	1	29	7·6	3	2	2	1	..	..	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 6th March 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
February.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	28	In Equator	29·653	43·8	35·3	8·5	39·5	31·4	81·5	27·8	43·4	41·4	8·1	12·3	4·1	— 0·6	73	WSW. & WNW.	WNW. & WSW.	21·4	0·1	1·5	580	0·05	1
March.																									
Monday . .	1	..	29·473	48·1	38·7	9·4	40·9	34·1	68·4	34·6	43·4	41·9	6·8	11·2	0·7	+ 0·7	77	WSW. & NW.	NNW. & SW.	13·4	0·0	0·8	363	0·18	1
Tuesday .	2	..	29·089	50·2	36·0	14·2	39·5	32·9	80·6	32·4	43·4	41·4	6·6	11·7	0·0	— 0·7	77	WNW.	NW. & N.	30·0	0·1	3·1	653	0·24	1
Wednesday	3	..	29·932	41·8	30·3	11·5	35·0	21·8	72·1	24·7	42·4	39·4	10·2	14·3	6·0	— 5·2	66	N.& N. by W.	N. & S.	10·7	0·0	0·8	316	0·00	3
Thursday .	4	..	30·025	44·7	28·8	15·9	36·9	31·5	58·1	21·2	43·0	41·3	5·4	11·3	3·1	— 3·2	81	SSW & SW.	NNW & SW	0·2	0·0	0·0	159	0·00	0
Friday . .	5	Last Quarter	29·711	53·6	34·8	18·8	43·7	37·1	78·4	33·9	43·4	42·4	6·6	15·2	0·0	+ 3·6	78	WSW.	NW.	20·0	0·0	1·9	491	0·00	1
Saturday .	6	..	30·059	46·8	31·0	15·8	38·0	31·6	84·5	24·0	42·4	41·4	6·4	12·3	0·0	— 2·1	78	NNW. & N.	NNE. & NE.	15·7	0·0	1·6	445	0·00	2
Means . .		..	29·706	47·0	33·6	13·4	39·1	31·9	74·8	28·4	43·1	41·3	7·2	12·6	2·0	— 1·1	76	Variable.		..	..	..	Sum 3007	Sum 0·47	1·3
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date.		Electricity.	Sky and Atmosphere.
February.			
Sunday .	28	The insulating lamp was not burning throughout the week.	Partially cloudy. Rain fell during the early morning hours, and a little snow occasionally fell in the afternoon; at night thin rain fell.
March.			
Monday .	1		Generally cloudy. A little rain and hail fell in the morning, and at night rain fell heavily.
Tuesday .	2		Partially cloudy. Rain fell frequently, at times mingled with snow.
Wednesday	3		Fine; partially cloudy till evening, then cloudless, but hazy.
Thursday .	4		Generally overcast till evening, then cloudless, but hazy. Fog also prevailed in the evening.
Friday .	5		Generally cloudy till evening; afterwards generally cloudless.
Saturday .	6		Partially cloudy till evening, then cloudless. A fine day.

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·94 in. at the beginning of the week to 29·49 in. by 9h. A.M. on the 1st of March; increased to 29·59 in. by 3h. P.M. on the same day; decreased to 28·99 in. by 9h. A.M. on the 2d; remained almost stationary at this reading till 3h. P.M. on the same day; increased very rapidly to 29·90 in. by 9h. A.M. on the 3d; and further increased to 30·04 in. by noon on the 4th; decreased to 29·67 in. by 3h. P.M. on the 5th; and had risen to 30·14 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 10. 1869. Vol. XXX.] Week ending Saturday, March 13. [Price 1*d.*

General Register Office, Somerset House,
15th March 1869.

In the week that ended on Saturday, 13th March, 4833 births, and 3536 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 28 per 1000 persons living.

The annual rate of mortality last week was 25 per 1000 in London, 34 in Edinburgh, and 31 in Dublin; 25 in Bristol, 21 in Birmingham, 30 in Liverpool, 33 in Manchester, 28 in Salford, 37 in Sheffield, 27 in Bradford, 27 in Leeds, 27 in Hull, 27 in Newcastle-upon-Tyne, and 44 in Glasgow.

In London the births of 1134 boys and 1106 girls, in all 2240 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2251.

The deaths registered in London during the week were 1519. It was the tenth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1593. The deaths in the present return are less by 74 than the estimated number.

The deaths from zymotic diseases were 315, the corrected average number being 327. Seven deaths from small-pox, 27 from measles, 39 from scarlet fever, 6 from diphtheria, 81 from whooping-cough, 19 from typhus fever, 27 from enteric fever, 17 from simple continued fever, and 19 from diarrhœa were registered.

The daughter of a wardrobe dealer, aged 2 months, died on 4th March, at 22 Camberwell-grove, Camberwell, of "choleraic diarrhœa" (4 days).

The mean temperature of the air in the week which ended 6th February was 49°2°; it has declined week by week until the comparatively low reading of 35°6° has been attained. This fall of temperature has not, however, been accompanied by any considerable variation in the number of deaths yet registered.

Scarlet fever is most prevalent in the East districts, 21 deaths having been recorded.

The deaths from whooping-cough exhibit an increase on the numbers returned in the two previous weeks; the disease prevails with considerable severity in all the metropolitan districts.

A comparison of the deaths from fever with those recorded in the preceding week shows an increase of 11 on the total number, an increase of 4 deaths from typhus fever, an increase of one death from enteric fever, and an increase of 6 deaths from simple continued fever.

One hundred and seventy-six deaths occurred from phthisis, 230 from bronchitis, and 90 from pneumonia. The corrected average number of deaths from phthisis is 192, from bronchitis 205, and from pneumonia 90.

The deaths of 2 persons from intemperance, of 4 persons from delirium tremens, of 9 children and 2 adults from syphilis, of 9 children and 2 adults from burns or scalds, of 2 persons from drowning, of 7 infants from suffocation, and of 4 persons who committed suicide were registered.

The widow of a schoolmaster, aged 40 years, died on 9th March, in St. Pancras Workhouse, from "disease of the heart, accelerated by neglect." *Post mort.* (*Inquest.*)

The following deaths of 2 persons killed by vehicles in the streets were registered:

The wife of a coachman, aged 35 years, "rupture of liver, forced against the railings of Buckingham Palace by a run-away horse." Died in half an hour, in St. George's Hospital, on 5th March. *Post mort.* (*Inquest.*)

A letter man at the Custom House, aged 68 years, "fractured ribs and sternum, run over by a van." Died in 10 minutes, in Guy's Hospital, on 9th March. *Post mort.* (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·505 in. The barometrical reading decreased from 30·14 in. at the beginning of the week to 29·24 in. on Wednesday, 10th March. The mean temperature of the air in the week was 35·6°, which is 5·1° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 45·9° on Sunday, 7th March. The lowest night temperature was 27·3° on Monday, 8th March. The entire range of temperature in the week was, therefore, 18·6°. The mean of the highest temperatures of the water of the Thames was 41·5°; that of the lowest was 40·2°. The difference between the mean dew-point temperature and air temperature was 5·3°. The mean degree of humidity of the air was 82, complete saturation being represented by 100. Rain fell to the amount of 0·04 in. Snow fell occasionally, and snow crystals fell on the morning of Wednesday, 10th March. The general direction of the wind was N.E. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness, was 198,079 cubic metres, and at Barking 142,170 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Tenth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total **Births**	1864	1786	2072	2027	1832	1962	2226	2272	2153	2269	2046·3	2240
Males . .	970	919	1066	1016	957	1013	1151	1157	1109	1187	1054·5	1134
Females .	894	867	1006	1011	875	949	1075	1115	1044	1082	991·8	1106
Total **Deaths**	1174	1397	1279	1505	1370	1664	1508	1829	1425	1331	1448·2	1519
Males . .	590	691	622	799	699	852	770	935	734	686	737·8	775
Females .	584	706	657	706	671	812	738	894	691	645	710·4	744

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Dec. 19.	Dec. 26.	Jan. 2.	Jan. 9.	Jan. 16.	Jan. 23.	Jan. 30.	Feb. 6.	Feb. 13.	Feb. 20.	Feb. 27.	Mar. 6.	Mar. 13.
Deaths - - - - -	1558	1262	1629	1501	1490	1578	1737	1631	1426	1491	1419	1487	1519
Deaths under 20 years of age	763	599	770	740	716	721	724	723	670	697	647	682	721
Deaths 20—40 - - -	261	201	221	219	210	220	222	221	218	223	208	217	199
Deaths 40—60 - - -	228	216	296	217	243	268	323	276	235	268	253	279	254
Deaths at 60 years of age and upwards - - -	306	246	342	325	321	369	468	411	303	303	311	309	245
Deaths from Small-pox -	5	6	7	6	3	10	5	9	6	6	2	6	7
,, ,, Measles - -	33	17	35	24	20	28	26	17	25	15	12	25	27
,, ,, Scarlet Fever -	100	67	83	69	64	64	53	45	56	39	43	56	39
,, ,, Diphtheria -	17	8	10	8	8	5	6	3	9	10	7	4	6
,, ,, Whooping-cough	30	33	49	62	51	63	85	64	72	82	50	65	81
,, ,, Fever - -	61	54	56	60	59	46	69	63	55	79	64	52	63
,, ,, Diarrhœa - -	11	10	9	12	12	16	12	9	8	14	9	18	19
,, ,, Phthisis - -	166	136	188	153	158	198	194	174	144	189	184	161	176
,, ,, Bronchitis - -	190	147	196	213	197	249	293	275	209	171	185	196	230
,, ,, Pneumonia -	117	82	98	112	100	89	100	102	84	74	78	98	90
,, ,, Heart Disease -	75	61	85	64	92	81	95	81	78	77	72	60	74
Mean Temperature of the Air	47°·5	44°·2	41°·0	45°·7	40°·4	36°·6	40°·7	49°·2	47°·5	45°·5	40°·9	39°·1	35°·6
Mean Temperature of the Water of the Thames -	45·6	43·8	40·5	40·3	42·9	42·0	37·6	44·9	47·0	45·0	43·3	42·2	40·8
Humidity of the Air - -	90	89	89	92	94	87	77	85	86	83	82	76	82
Rain-fall in inches - -	0·92	1·57	1·53	1·15	0·23	0·13	1·03	0·65	0·97	0·17	0·70	0·47	0·04

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 13th day of March 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 13th March.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 13th March.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4833**	**3244**	**3536**	**50·6**	**24·0**	**35·9**	**0·24**	**24**	**10·34**	**−4·44**	**2·17**	**61**
London (Metropolis)	3,170,754	40·7	2070	2240	1462	1519	45·9	27·3	35·6	0·04	4	7·72	−2·61	2·01	10
Bristol (City)	169,423	36·1	109	121	76	80 *	48·8	25·7	36·5	0·17	17	9·34	−3·50	2·50	43
Birmingham (Borough)	360,846	46·1	283	297	175	142	46·4	28·0	35·7	0·10	10	8·00	−2·22	2·06	25
Liverpool (Borough)	509,052	99·7	345	418	295	295	46·7	29·5	35·8	0·05	5	8·17	−1·39	2·12	13
Manchester (City)	370,892	82·7	277	282	210	233 *	48·0	28·0	35·5	0·05	5	8·89	−2·22	1·95	13
Salford (Borough)	119,350	23·1	89	96	60	63	46·4	27·3	35·3	0·13	13	8·00	−2·61	1·84	33
Sheffield (Borough)	239,752	10·5	196	183	126	169	46·0	27·0	35·3	0·03	3	7·78	−2·78	1·84	8
Bradford (Borough)	138,522	21·0	105	109	71	72	49·4	31·5	37·8	0·09	9	9·66	−0·28	3·23	23
Leeds (Borough)	253,110	11·7	189	172	129	132	47·0	31·0	37·7	0·17	17	8·33	−0·56	3·17	43
Hull (Borough)	126,682	35·6	83	82	59	66	45·0	24·0	34·5	0·49	49	7·22	−4·44	1·39	124
Newcastle-on-Tyne (Borough)	130,503	24·5	90	138	69	68	40·0	27·0	32·8	0·94	95	4·44	−2·78	0·45	239
Edinburgh (City)	178,002	40·2	112	129	86	117	45·7	30·0	35·4	0·30	30	7·61	−1·11	1·89	76
Glasgow (City)	458,937	90·6	374	391	268	389	45·2	28·6	36·6	0·10	10	7·33	−1·88	2·56	25
Dublin (City and some suburbs)	320,762	32·9	219	175	158	191	50·6	26·6	38·1	0·69	70	10·34	−2·99	3·39	175
				Week ending 6th Mar. 1869.		Week ending 6th Mar. 1869.	Week ending 6th March 1869.					Week ending 6th March 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 11th Mar. 1869.		Week ending 11th Mar. 1869.	Week ending 11th March 1869.					Week ending 11th March 1869.			
Berlin (City)	(1867) 702,437	..	..	..	..	..	..	..	..	..	..	..	..	..	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandesborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

Errata.—In the above Table for the week ending 6th March, for the lowest temperature during the week in Bristol, for 28·7° read 28·4°, and read the weekly mean as 41·3° instead of 41·4°. The highest temperature during the week in Hull should also have been 50·0° instead of 38·0°.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 13th March 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2240	1519	7	27	39	6	81	63	19
WEST DISTRICTS -	314	247	1	4	3	1	14	11	4
NORTH DISTRICTS -	481	315	3	3	6	1	14	23	4
CENTRAL DISTRICTS -	239	202	-	5	2	1	15	5	3
EAST DISTRICTS -	484	318	-	3	21	-	19	13	1
SOUTH DISTRICTS -	722	437	3	12	7	3	19	11	7
WEST DISTRICTS.									
St. Mary Paddington *WH*	38	14	-	-	-	-	1	1	-
St. John Paddington H	14	11	-	-	-	-	-	2	-
Kensington Town *W* -	52	28	-	-	-	1	2	1	-
Brompton H - -	14	15	1	-	-	-	1	1	-
St. Peter Hammersmith	-	-	-	-	-	-	-	-	-
St. Paul Hammersmith	22	13	-	-	-	-	1	2	-
Fulham *W* - - -	10	12	-	-	-	-	2	-	-
Chelsea South H - -	14	15	-	-	-	-	1	-	1
Chelsea North-west H*Ww*	16	16	-	-	-	-	-	-	2
Chelsea North-east -	18	13	-	-	1	-	-	-	-
Hanover Square - -	8	3	-	-	-	-	-	-	-
May Fair *W* - -	7	9	-	-	-	-	-	1	-
Belgrave H - - -	26	34	-	1	1	-	-	-	1
St. John Westminster -	23	17	-	-	1	-	1	1	-
St. Margaret West. *WH*	24	19	-	3	-	-	1	1	-
St. James's Square -	4	2	-	-	-	-	-	-	-
Golden Square *W* -	12	15	-	-	-	-	2	1	-
Berwick-street - -	6	7	-	-	-	-	1	-	-
St. Anne Soho - -	6	4	-	-	-	-	1	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	18	18	-	-	1	-	-	3	-
Cavendish Square - -	5	1	-	-	-	-	-	-	-
Rectory Marylebone *W*	16	21	-	-	-	-	-	-	-
St. Mary Marylebone -	23	5	-	-	-	-	-	-	-
Christchurch Marylebone	22	10	-	2	-	-	1	-	1
St. John Marylebone -	19	9	-	-	-	-	-	-	-
Hampstead *W* - -	14	3	-	-	-	-	-	-	-
Regent's Park Pancras -	22	12	-	-	1	-	-	-	-
Tottenham-court *w*H -	28	18	-	1	-	-	1	1	-
Gray's Inn Lane H -	21	11	-	-	1	-	3	-	-
Somers Town - -	24	18	-	-	-	-	2	1	-
Camden Town *W* -	19	21	-	-	-	-	-	-	-
Kentish Town - -	37	21	-	-	-	-	-	1	-
Islington West* *WHH*	65	55	3	-	1	-	1	17	-
Islington East *Ww* -	68	43	-	-	-	1	1	-	1
Stoke Newington - -	5	-	-	-	-	-	-	-	-
Stamford Hill - -	3	1	-	-	-	-	-	-	-
West Hackney - -	17	11	-	-	-	-	1	-	1
Hackney *WHw* - -	26	23	-	-	1	-	-	-	-
South Hackney L -	29	14	-	-	1	-	4	-	1
CENTRAL DISTRICTS.									
St. George Bloomsbury -	15	6	-	1	-	-	-	-	-
St. Giles South *W* -	25	15	-	-	-	-	2	-	
St. Giles North - -	16	8	-	-	-	-	-	-	-
Long Acre - - -	5	6	-	-	-	-	-	-	-
Charing Cross *WH* -	4	7	-	-	-	-	-	-	1
St. Mary-le-Strand -	5	5	-	1	-	-	-	-	-
St. Clement Danes H -	6	11	-	-	-	-	1	-	-
St. George-the-Martyr H	12	6	-	-	-	-	1	-	-
St. Andrew, East Holb. *W*	9	8	-	-	-	-	-	-	-
Saffron Hill - - -	4	8	-	-	1	-	-	-	-
St. James Clerkenwell *W*	15	15	-	-	-	-	-	2	-
Amwell Clerkenwell -	11	8	-	-	-	-	-	-	1
Pentonville - - -	10	6	-	-	-	-	-	1	-
Goswell-street - -	14	9	-	-	-	-	1	-	-
Old-street - - -	12	1	-	-	-	-	1	-	-
City-road HL - -	25	7	-	-	-	-	1	-	-
Whitecross-street - -	6	13	-	1	-	1	1	-	1
Finsbury - - -	10	6	-	-	-	-	-	-	-
St. Botolph East London	6	9	-	-	-	-	2	-	-
Cripplegate - - -	10	11	-	2	-	-	-	-	-
West London North *WH*	5	17	-	-	-	-	-	1	-
West London South -	6	6	-	-	1	-	-	-	-
London City South-west	2	2	-	-	-	-	1	-	-
London City North-west	-	2	-	-	-	-	1	-	-
London City South -	3	1	-	-	-	-	1	-	-
London City South-east	1	4	-	-	-	-	2	-	-
London City North-east	2	5	-	-	-	-	-	1	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	5	5	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	8	5	-	-	-	-	-	-	-
Hoxton New Town *w* -	19	15	-	-	-	-	-	-	1
Hoxton Old Town - -	29	11	-	-	-	-	-	2	-
Haggerstone West *W* -	15	15	-	-	2	-	-	-	-
Haggerstone East - -	21	7	-	-	1	-	2	-	-
Hackney-road - -	22	14	-	-	-	-	-	-	-
Green, Bthnl. Grn. *WHL*†	49	25	-	-	1	-	2	3	
Church, Bethnal Green -	24	16	-	-	-	-	1	2	
Town, Bethnal Green -	20	11	-	-	2	-	1	-	
Artillery Whitechapel -	2	5	-	-	-	-	-	-	-
Spitalfields - - -	4	4	-	-	-	-	-	-	-
Mile End New Town *W*	9	13	-	-	-	-	2	-	-
Whitechapel North -	13	3	-	1	-	-	-	-	-
Whitechapel Church H	4	16	-	1	-	-	-	-	-
Goodman's Fields - -	4	2	-	-	-	-	-	-	-
Aldgate - - - -	5	3	-	-	-	-	1	-	-
St. Mary St. Geo. East -	17	8	-	-	-	-	-	2	
St. Paul St. Geo. East -	10	7	-	-	2	-	-	1	
St. John St. Geo. East *W*	15	6	-	-	-	-	1	-	
Shadwell *W* - - -	5	6	-	-	-	-	-	1	
Ratcliff *W* - - -	11	8	-	-	1	-	-	1	
Limehouse *W* - -	17	11	-	-	3	-	1	-	
Mile End Old Town, West	24	19	-	-	2	-	-	-	
Mile End Old T., East *Ww*	46	27	-	1	5	-	1	1	
Bow *ww*L† - - -	55	29	-	-	1	-	2	-	
Poplar *W* - - -	31	27	-	-	1	-	3	1	
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	15	10	-	1	-	-	1	-	
St. Saviour Southwark H	9	10	-	-	-	-	3	-	
St. Olave Southwark H	2	11	-	-	-	-	-	2	
St. John Horsleydown *W*	4	5	-	-	-	-	-		
St. James Bermondsey -	31	21	-	-	1	1	1	1	
St. Mary Magdalen *W* -	16	7	-	-	1	-	-	-	
Leather Market - -	15	7	-	-	-	-	1	2	
Kent-road - -	17	9	-	-	-	-	1	2	
Borough road *W* - -	14	6	-	-	-	-	-	-	
London road L - -	10	9	-	1	-	-	-	-	
Trinity Newington -	16	11	-	-	-	1	1	-	
St. Peter Walworth *W*	35	25	-	1	-	-	1	-	
St. Mary Newington H	14	19	-	-	-	-	-	1	
Waterloo-road 1st -	9	3	-	-	-	-	-	-	
Waterloo-road 2nd -	23	9	-	1	-	-	1	-	
Lambeth Church 1st -	17	17	-	3	1	1	1	-	
Lambeth Church 2nd *W*	31	13	-	-	1	-	3	-	
Kennington 1st - -	37	25	-	-	-	-	-	1	
Kennington 2nd - -	10	10	-	-	-	-	1	-	
Brixton - - - -	37	10	-	-	-	-	-	1	
Norwood *W* - - -	11	3	-	-	-	-	-	-	
Clapham - - -	22	7	-	-	-	-	-	-	
Battersea *Ww* - -	47	29	2	-	2	-	-	-	
Wandsworth L - -	8	5	-	2	-	-	-	-	
Putney - - - -	2	2	-	-	-	-	-	-	
Streatham - - -	6	6	-	-	-	-	-	-	
Dulwich - - -	2	1	-	-	-	-	-	-	
Camberwell *WL*†L† -	21	18	-	2	-	-	2	-	
Peckham - - -	30	15	-	-	-	-	-	-	
St. George Camberwell -	26	14	-	-	-	-	-	-	
Rotherhithe *W* - -	20	18	-	-	1	-	1	-	
St. Paul Deptford - -	42	21	1	-	-	-	-	-	
St. Nicholas Deptford -	16	1	-	-	-	-	-	-	
Greenwich West H -	12	8	-	-	-	-	-	-	
Greenwich East *WH* -	9	9	-	-	-	-	1	-	
Eltham - - - -	1	1	-	-	-	-	-	-	
Lee - - - - -	8	7	-	1	-	-	-	-	
Lewisham Village *W* -	7	1	-	-	-	-	-	-	
Sydenham - - -	13	10	-	-	-	-	-	-	
Charlton H - - -	5	4	-	-	-	-	-	1	
Woolwich Dockyard H	13	4	-	-	-	-	-	-	
Woolwich Arsenal H -	13	8	-	-	-	-	-	-	
Plumstead, West - -	12	5	-	-	-	-	-	-	
Plumstead, East - -	14	3	-	-	-	-		-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex - ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the TENTH WEEK of each of the following Years.

38.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 12 1859	Mar 10 1860	Mar 9 1861	Mar 8 1862	Mar 7 1863	Mar 12 1864	Mar 11 1865	Mar 10 1866	Mar 9 1867	Mar 7 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 13, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	45°·7	36°·0	45°·2	40°·1	47°·3	41°·5	37°·3	36°·8	35°·3	45°·9	41°·1	Mean Temp. 35°·6						
	ALL CAUSES . . .	1174	1397	1279	1505	1370	1664	1508	1829	1425	1331	1448·2	1519	615	721	199	254	291	54
	SPECIFIED CAUSES .	1170	1390	1274	1491	1330	1642	1487	1816	1386	1316	1430·2	1513	613	719	198	253	289	54
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	265	240	262	347	344	321	323	342	275	259	297·8	315	193	240	28	24	21	2
II.	CONSTITUTIONAL „ .	229	232	310	288	247	311	313	343	285	256	281·4	287	69	93	93	74	24	3
III.	LOCAL „ .	494	702	503	616	564	776	623	848	610	592	632·8	711	244	276	69	142	202	22
IV.	DEVELOPMENTAL „ .	143	173	168	182	136	185	177	218	161	173	171·1	160	91	91	4	5	35	25
V.	VIOLENT DEATHS . .	39	43	31	58	39	49	51	70	55	36	47·1	40	16	19	4	8	7	2
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	250	224	232	323	329	288	287	309	246	234	272·2	280	171	217	25	20	16	2
	2. ENTHETIC „ . .	5	2	10	11	3	9	12	13	15	10	9·0	13	8	9	2	1	1	..
	3. DIETIC „ . .	10	11	17	11	11	21	20	19	10	14	14·4	17	9	9	1	3	4	..
	4. PARASITIC „ . .	..	3	3	2	1	3	4	1	4	1	2·2	5	5	5	..	..	..	..
II.	1. DIATHETIC „ . .	32	37	55	49	43	53	55	51	50	45	47·0	47	1	2	7	20	15	3
	2. TUBERCULAR „ . .	197	195	255	239	204	258	258	292	235	211	234·4	240	68	91	86	54	9	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	132	147	136	165	138	194	134	209	154	173	158·2	178	82	91	15	20	43	9
	2. „ OF ORGANS OF CIRCULATION .	72	66	56	77	61	83	82	91	75	67	73·0	78	3	10	14	23	30	1
	3. „ OF RESPIRATORY ORGANS . .	209	387	238	283	279	420	300	435	286	250	308·7	366	148	159	26	67	104	10
	4. „ OF DIGESTIVE ORGANS . . .	49	59	42	53	55	47	63	72	52	65	55·7	54	7	8	9	21	16	..
	5. „ OF URINARY ORGANS . . .	12	21	17	24	15	21	30	23	34	19	21·6	26	1	4	4	10	6	2
	6. „ OF ORGANS OF GENERATION .	8	7	3	7	5	3	5	11	1	9	5·9	5	1	1	1	..	3	..
	7. „ OF ORGANS OF LOCOMOTION .	5	6	3	3	2	2	4	3	7	6	4·1	2	1	2	..	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	7	9	8	4	9	6	5	4	1	3	5·6	2	1	1	..	1	..	..
V.	1. DEV. DISEASES OF CHILDREN	40	49	50	46	40	49	50	52	36	57	46·9	43	43	43	..	..	..	..
	2. „ OF ADULTS .	7	4	12	3	5	6	3	5	2	5	5·2	5	..	..	4	1	..	..
	3. „ OF OLD PEOPLE	38	63	50	85	49	74	69	83	48	58	61·7	53	..	..	..	..	28	25
	4. DISEASES OF NUTRITION .	58	57	56	48	42	56	55	73	75	53	57·3	59	48	48	..	4	7	..
VI.	*1 ACCIDENT OR NEGLIGENCE .	30	36	24	49	31	44	47	58	43	29	39·1	31	14	17	2	4	6	2
	3. HOMICIDE	2	3	2	2	4	1	2	3	4	2	2·5	4	2	2	1	1	..	..
	4. SUICIDE	7	4	5	7	4	4	2	9	7	5	5·4	4	..	..	1	3	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	1	..	·1	1	..	..	..	..	1	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	2	2	2	6	8	4	4	4	7	1	4·0	2	..	..	1	..	1	..
	CAUSES NOT SPECIFIED . .	2	5	3	8	32	18	17	9	32	14	14·0	4	2	2	..	1	1	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registere

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 12 1859	Mar 10 1860	Mar 9 1861	Mar 8 1862	Mar 7 1863	Mar 12 1864	Mar 11 1865	Mar 10 1866	Mar 9 1867	Mar 7 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 13, 1869. Deaths of Persons of the Age: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and
	Mean Temperature	45°7	36°0	45°2	40°1	47°3	41°5	37°3	36°8	35°3	45°9	41°1	Mean Temp. 35°6						
I.	ORDER 1.																		
	1. Small-pox	8	31	2	1	42	8	16	16	32	24	18·0	7	1	4	3	..	..	
	2. Measles	30	16	26	20	38	38	16	53	16	39	29·2	27	26	27	..	..	..	
	3. Scarlet Fever (Scarlatina)	60	51	37	41	67	44	41	54	27	16	43·8	39	23	38	1	..	..	
	4. Diphtheria	19	9	13	17	13	11	7	8	7	7	11·1	6	3	4	..	2	..	
	5. Quinsy	..	2	2	1	..	3	1	1	3	..	1·3	1	..	1	..	..	..	
	6. Croup	12	7	15	26	8	18	20	16	22	14	15·8	13	13	13	..	..	..	
	7. Whooping-cough	58	42	77	63	49	82	84	66	67	61	64·9	81	78	81	..	..	..	
	8. Typhus	25	33	28	123	62	53	58	59	43	48	53·2	19	..	3	6	5	5	
	— Enteric Fever												27	6	19	1	6	1	
	— Simple continued Fever												17	4	5	6	2	4	
	9. Erysipelas	5	7	3	6	10	4	17	5	2	6	6·5	12	4	4	3	2	3	
	10. Puerperal Fever (Metria)	8	2	3	1	5	2	3	2	1	1	2·8	3	..	1	2	..	..	
	11. Carbuncle	2	..	..	1	6	..	1	3	2	..	1·5	1	..	..	..	..	1	
	12. Influenza	1	..	..	..	1	3	1	..	1	..	·7	..	..	..	..	..	..	
	13. Dysentery	3	3	4	3	..	3	1	6	3	1	2·7	1	..	..	1	..	..	
	14. Diarrhœa	9	15	15	12	15	9	9	15	13	12	12·4	19	12	13	1	1	2	
	15. Simple Cholera	1	1	..	..	1	..	..	..	..	..	·3	1	1	1	..	..	..	
	16. Ague	1	..	..	..	1	..	..	..	..	..	·2	1	..	1	..	..	..	
	17. Remittent Fever	1	1	1	6	..	1	1	..	..	..	1·1	..	..	..	..	..	..	
	18. Rheumatism	7	4	6	2	11	9	11	5	7	5	6·7	5	..	2	2	1	..	
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	ORDER 2.																		
	1. Syphilis	5	2	8	9	2	7	8	12	14	9	7·6	11	8	9	2	..	..	
	2. Stricture of Urethra	..	..	2	2	1	2	4	1	1	1	1·4	2	..	..	..	1	1	
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
	ORDER 3.																		
	1. Privation	1	1	..	1	..	3	1	..	1	2	1·0	..	..	..	..	..	..	
	2. Want of Breast-milk	5	7	13	5	5	9	12	7	3	9	7·5	9	9	9	..	..	..	
	3. Purpura and Scurvy	..	..	1	1	..	3	4	4	1	2	1·6	2	..	..	..	..	2	
	4. Alcoholism *a* Del. Tremens	3	1	3	2	2	4	2	2	3	..	2·2	4	..	..	..	3	1	
	4. Alcoholism *b* Intemperance	1	2	..	2	4	2	1	6	2	1	2·1	2	..	..	1	..	1	
	ORDER 4.																		
	1. Thrush	..	3	3	2	1	3	4	1	4	1	2·2	5	5	5	..	..	..	
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
II.	ORDER 1.																		
	1. Gout	1	..	..	1	2	6	2	..	2	2	1·6	2	..	..	..	1	1	
	2. Dropsy	11	16	16	18	14	17	21	19	23	12	16·7	9	..	1	1	3	2	
	3. Cancer	18	17	29	25	22	25	25	30	22	28	24·1	35	1	1	6	16	12	
	4. Cancrum Oris (Noma)	..	..	1	1	1	..	..	..	..	1	·4	..	..	..	..	..	..	
	5. Mortification	2	4	9	4	4	5	7	2	3	2	4·2	1	..	..	..	..	..	
	ORDER 2.																		
	1. Scrofula	6	11	10	7	8	6	14	8	8	7	8·5	9	7	8	1	..	..	
	2. Tabes Mesenterica	16	11	22	16	19	21	20	24	18	14	18·1	23	20	22	1	..	..	
	3. Phthisis	145	143	176	184	149	192	191	228	183	154	174·5	176	12	30	83	54	9	
	4. Hydrocephalus	30	30	47	32	28	39	33	32	26	36	33·3	32	29	31	1	..	..	
III.	ORDER 1.																		
	1. Cephalitis	13	13	16	12	9	11	12	19	12	16	13·3	21	13	17	3	1	..	
	2. Apoplexy	33	32	26	41	38	46	28	45	35	33	35·7	41	3	3	6	7	20	
	3. Paralysis	15	24	19	27	21	34	23	34	26	25	24·8	22	..	..	1	7	10	
	4. Insanity	2	1	1	..	2	3	..	2	3	2	1·6	4	..	..	..	2	2	
	5. Chorea	1	1	..	1	..	..	1	1	..	..	·5	..	..	..	..	..	..	
	6. Epilepsy	5	5	6	7	6	11	5	10	8	7	7·0	8	..	2	3	..	3	
	7. Convulsions	43	51	53	48	48	67	45	78	56	73	56·2	67	65	67	..	..	..	
	8. *Brain Disease, &c.*	20	20	15	29	14	22	20	20	14	17	19·1	15	1	2	2	3	8	
	ORDER 2.																		
	1. Pericarditis	2	6	2	2	2	3	3	..	2	1	2·3	3	..	..	2	..	1	
	2. Aneurism	6	3	..	3	3	3	5	2	3	4	3·2	1	..	..	..	..	1	
	3. *Heart Disease, &c.*	64	57	54	72	56	77	74	89	70	62	67·5	74	3	10	12	23	28	
	ORDER 3.																		
	1. Laryngitis	7	4	9	13	13	12	13	13	7	13	10·4	14	13	14	..	..	..	
	2. Bronchitis	127	230	132	166	144	280	185	285	175	138	186·2	230	67	72	14	51	83	1
	3. Pleurisy	2	6	4	1	4	..	..	4	2	4	2·7	3	1	1	1	1	..	
	4. Pneumonia	59	114	73	66	88	100	71	93	78	76	81·8	90	62	67	7	9	7	
	5. Asthma	7	20	11	18	16	11	14	20	11	9	13·7	16	..	..	1	5	10	
	6. *Lung Disease, &c.*	7	13	9	19	14	17	17	20	13	10	13·9	13	5	5	3	1	4	
	ORDER 4.																		
	1. Gastritis	1	2	..	1	..	2	2	3	2	3	1·6	1	..	..	1	..	..	
	2. Enteritis	4	7	2	7	8	8	5	6	2	10	5·9	3	1	1	..	..	2	
	3. Peritonitis	5	7	3	3	4	7	7	10	6	3	5·5	7	2	2	2	2	1	
	4. Ascites	2	7	2	..	1	4	3	1	5	1	2·6	1	..	..	..	1	..	
	5. Ulceration of Intestines	2	1	4	4	3	3	2	4	5	5	3·3	3	..	..	2	..	1	
	6. Hernia	3	4	1	3	4	5	2	6	..	3	3·1	5	..	..	..	3	2	
	7. Ileus	4	3	3	..	3	1	4	4	2	3	2·7	5	1	1	2	1	1	
	8. Intussusception	1	2	..	..	..	1	1	2	..	3	1·0	1	..	..	..	..	1	

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism;" of "hæmorrhage" and "abscess"

The TENTH WEEK of each of the following Years—*continued.*

CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 12 1859	Mar 10 1860	Mar 9 1861	Mar 8 1862	Mar 7 1863	Mar 12 1864	Mar 11 1865	Mar 10 1866	Mar 9 1867	Mar 7 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 13, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
Mean Temperature	45°·7	36°·0	45°·2	40°·1	47°·3	41°·5	37°·3	36°·8	35°·3	45°·9	41°·1	Mean Temp. 35°·6						
9. Stricture of Intestines	1	2	3	..	3	1	..	2	..	..	1·2	1	..	..	..	..	1	..
10. Fistula	..	1	1	1	..	..	1	..	1	1	·6	..	..	..	..	..	..	..
11. *Stomach Disease, &c.*	7	8	6	5	6	2	9	5	6	10	6·4	5	2	2	..	1	2	..
12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
13. Hepatitis	5	6	1	3	5	2	3	5	4	4	3·8	4	..	1	1	1	1	..
14. Jaundice	4	..	4	5	3	3	4	1	4	4	3·2	4	1	1	..	2	1	..
15. *Liver Disease, &c.*	10	9	11	21	14	8	20	23	14	15	14·5	14	..	..	1	10	3	..
16. *Spleen Disease, &c.*	..	..	1	..	1	..	..	..	1	..	·3	..	..	..	..	..	..	..
ORDER 5.																		
1. Nephritis	..	..	1	..	1	..	..	..	1	2	·5	1	..	..	..	1	..	..
2. Ischuria	1	1	..	..	..	..	1	1	..	..	·4	1	..	..	..	1	..	..
3. Bright's disease (Nephria)	7	9	1	9	8	7	15	14	11	6	8·7	8	1	2	2	3	1	..
4. Diabetes	..	1	..	3	1	3	..	..	3	..	1·1	2	..	1	..	1	..	..
5. Calculus (Stone)	1	..	..	1	1	3	2	3	3	1	1·5	1	..	..	..	1	..	..
6. Cystitis	1	1	1	1	1	3	2	1	..	2	1·3	2	..	..	..	1	..	1
7. *Kidney Disease, &c.*	2	9	14	10	3	5	10	4	16	8	8·1	11	..	1	2	2	5	1
ORDER 6.																		
1 Ovarian Dropsy	4	3	..	1	2	..	2	1	..	..	1·3	..	..	..	..	..	..	..
2. *Uterus Disease, &c.*	4	4	3	6	3	3	3	10	1	9	4·6	5	1	1	1	..	3	..
ORDER 7.																		
1. Synovitis (Arthritis)	..	..	..	..	1	..	1	..	..	..	·2	..	..	..	..	..	..	..
2. *Joint Disease, &c.*	5	6	3	3	1	2	3	3	7	6	3·9	2	1	2	..	..	..	..
ORDER 8.																		
1. Phlegmon	6	3	3	1	3	3	1	1	1	1	2·3	1	..	..	..	1	..	..
2. Ulcer	..	4	2	2	3	..	3	..	..	..	1·4	..	..	..	..	..	..	..
3. *Skin Disease, &c.*	1	2	3	1	3	3	1	3	..	2	1·9	1	1	1	..	..	..	..
ORDER 1.																		
1. Premature Birth	23	26	25	21	17	15	21	29	17	26	22·0	22	22	22	..	..	..	..
2. Cyanosis	2	..	5	4	3	1	1	..	3	2	2·1	4	4	4	..	..	..	..
3. Spina Bifida	2	1	2	1	..	..	1	1	..	..	·8	2	2	2	..	..	..	..
4. Other Malformations	1	2	3	1	..	2	3	1	1	1	1·5	1	1	1	..	..	..	..
5. Teething	12	20	15	19	20	31	24	21	15	28	20·5	14	14	14	..	..	..	..
ORDER 2.																		
1. Paramenia	1	..	..	..	1	1	..	..	..	..	·3	..	..	..	..	..	..	..
2. Childbirth (*see* Puerperal Fev.)	6	4	12	3	4	5	3	5	2	5	4·9	5	..	..	4	1	..	..
ORDER 3.																		
1. Old Age	38	63	50	85	49	74	69	83	48	58	61·7	53	..	..	..	..	28	25
ORDER 4.																		
1. Atrophy and Debility	58	57	56	48	42	56	55	73	75	53	57·3	59	48	48	..	4	7	..
ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
1. Fractures and Contusions	10	8	6	17	13	11	19	25	12	14	13·5	10	..	..	1	3	4	2
2. Wounds	..	..	1	..	1	..	1	..	..	..	·3	..	..	..	..	..	..	..
3. Burns and Scalds	10	8	5	19	7	10	9	9	12	3	9·2	11	7	9	..	..	2	..
4. Poison	..	..	..	1	3	1	..	2	2	..	·9	1	..	..	..	1	..	..
5. Drowning	4	4	4	7	3	5	4	2	4	6	4·3	2	..	1	1	..	..	..
6. Suffocation	5	13	6	5	3	15	11	19	10	5	9·2	7	7	7	..	..	..	..
7. Otherwise	1	3	2	..	1	2	3	1	3	1	1·7	..	..	..	..	..	..	..
ORDER 3. (HOMICIDE.)																		
1. Murder and Manslaughter	2	3	2	2	4	1	2	3	4	2	2·5	4	2	2	1	1	..	..
ORDER 4. (SUICIDE.)																		
1. Wounds { Gunshot	..	..	..	..	..	..	..	..	..	2	·2	..	..	..	..	..	..	..
1. Wounds { Cut, Stab	4	1	..	2	1	..	1	2	3	..	1·4	1	..	..	..	1	..	..
2. Poison	..	1	1	1	..	1	..	5	1	..	1·0	..	..	..	..	..	..	..
3. Drowning	..	..	3	..	..	1	..	..	2	1	·7	..	..	..	..	..	..	..
4. Hanging	3	1	1	2	1	2	1	2	..	2	1·5	3	..	..	1	2	..	..
5. Otherwise	..	1	..	2	2	..	..	..	1	..	·6	..	..	..	..	..	..	..
ORDER 5. (EXECUTION.)																		
1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Violent Deaths (not classed)	..	..	..	..	..	..	..	..	1	..	·1	1	..	..	..	..	1	..
Sudden Deaths (Cause unascertained)	2	2	2	6	8	4	4	4	7	1	4·0	2	..	..	1	..	1	..
Causes not specified or ill-defined	2	5	3	8	32	18	17	9	32	14	14·0	4	2	2	..	1	1	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" Class 1.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 13th March, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.	Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
March.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . 7	Greatest Dec. S.	30·037	45·9	28·0	17·9	35·8	25·9	100·0	20·4	42·4	41·4	9·9	17·0	0·5	— 4·4	67	NE. & SE.	SE & SSW.	0·4	0·0	0·0	136	0·00	4
Monday . 8	..	29·672	43·9	27·3	16·6	35·3	34·8	68·9	22·8	42·5	41·3	0·5	6·2	0·0	— 5·0	98	SW.	WSW. & WNW.	0·2	0·0	0·0	196	0·01	1
Tuesday . 9	..	29·351	44·8	31·4	13·4	37·3	34·3	102·0	25·0	42·4	41·9	3·0	6·6	0·0	— 3·1	89	NW. & NE.	SE.	0·1	0·0	0·0	147	0·00	2
Wednesday 10	..	29·259	40·2	32·6	7·6	35·0	26·5	67·4	31·5	41·4	41·4	8·5	12·0	4·4	— 5·6	71	ESE.	NE.	1·6	0·0	0·2	289	0·00	5
Thursday . 11	..	29·277	43·4	30·8	12·6	34·7	30·6	78·6	29·0	41·4	39·4	4·1	10·1	1·9	— 6·2	85	N. by E.	NNE.	3·7	0·0	0·5	375	0·02	2
Friday . . 12	Apogee	29·492	44·5	30·7	13·8	36·8	31·1	92·5	25·9	40·9	38·4	5·7	10·1	0·0	— 4·4	80	N. by E.	N. by E. NE & ENE	1·3	0·0	0·2	248	0·00	2
Saturday . 13	New	29·450	43·1	28·3	14·8	34·5	29·4	92·4	23·5	39·4	37·4	5·1	10·1	0·0	— 6·9	81	ENE.	ENE.	2·3	0·0	0·2	295	0·01	6
Means . .	..	29·505	43·7	29·9	13·8	35·6	30·4	86·0	25·4	41·5	40·2	5·3	10·3	1·0	— 5·1	82	NE.		..	..	..	Sum 1686	Sum 0·04	3·1
No. of Columns.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. March.	Electricity.	Sky and Atmosphere.
Sunday . 7	The insulating lamp was not burning.	A very fine day; generally cloudless. Slight hoar frost.
Monday . 8		Generally overcast. Snow and sleet fell in the morning; at night thin rain fell.
Tuesday . 9	No electricity was shown.	Generally cloudy. Fog prevailed during the early morning; at night thin rain fell.
Wednesday 10	Weak positive was shown during the afternoon and evening.	Generally overcast. Snow crystals fell sparingly in the morning.
Thursday . 11	Weak positive was shown in the morning.	Generally cloudy till evening, and snow, sleet, and rain fell occasionally; cloudless at night.
Friday . 12	No electricity was shown.	Generally cloudy and fine. A little sleet and hail fell occasionally.
Saturday . 13	The insulating lamp was not burning; but between 1h. P.M. and 2h. P.M. positive electricity, with moderate tension, was shown.	Very fine and partially cloudy till the afternoon; very variable afterwards, and snow fell frequently.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30·14 in. at the beginning of the week to 29·24 in. by 3h. P.M. on the 10th; increased to 29·52 in. by 9h. P.M. on the 12th; decreased to 29·43 in. by 3h. P.M. on the 13th; and was 29·48 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.



By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 11. 1869. Vol. XXX.] Week ending Saturday, March 20. [Price 1*d.*

General Register Office, Somerset House,
22d March 1869.

In the week that ended on Saturday, 20th March, 4545 births, and 3606 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 29 per 1000 persons living.

The annual rate of mortality last week was 25 per 1000 in London, 34 in Edinburgh, and 27 in Dublin; 24 in Bristol, 22 in Birmingham, 32 in Liverpool, 34 in Manchester, 28 in Salford, 36 in Sheffield, 28 in Bradford, 33 in Leeds, 26 in Hull, 22 in Newcastle-upon-Tyne, and 47 in Glasgow. The rate in Vienna was 36 per 1000 during the week ending the 13th inst., and in Berlin 34 per 1000 during the seven days ending the 18th instant.

In London the births of 1116 boys and 1050 girls, in all 2166 children, were registered in the week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2294.

The deaths registered in London during the week were 1549. It was the eleventh week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1607. The deaths in the present return are less by 58 than the estimated number.

The deaths from zymotic diseases were 267, the corrected average number being 318. Three deaths from small-pox, 20 from measles, 33 from scarlet fever, 5 from diphtheria, 67 from whooping-cough, 20 from typhus fever, 26 from enteric fever, 16 from simple continued fever, and 13 from diarrhœa were registered.

Eight deaths from fever were recorded in the West districts, 17 in the North (where the London Fever Hospital is situated), 7 in the Central, 17 in the East, and 13 in the South districts.

One hundred and eighty-seven deaths occurred from phthisis, 244 from bronchitis, and 99 from pneumonia. The corrected average number of deaths from phthisis is 196, from bronchitis 202, and from pneumonia 104. In the preceding week, which ended 13th March, the deaths from these diseases were 176, 230, and 90 respectively.

Diseases of the brain and nervous system proved fatal to 180 persons, and 77 persons died from diseases of the organs of circulation.

The deaths of 582 children under 5 years of age were recorded; of these 18 died from measles, 19 from scarlet fever, 10 from croup, 65 from whooping-cough, 9 from enteric fever, 4 from simple continued fever, 5 from erysipelas, 7 from diarrhœa, 6 from want of breast milk, 18 from tabes mesenterica, 13 from phthisis, 28 from hydrocephalus, 59 from convulsions, 76 from bronchitis, 63 from pneumonia, 21 from teething, and 54 from atrophy and debility.

The deaths of 2 persons from intemperance, of 6 infants and 2 adults from syphilis, of 4 children from burns or scalds, of 6 infants from suffocation, and of 6 persons who committed suicide were registered.

Six nonagenarians died during the week.

A coach-bead plater, aged 54 years, died on 8th March, in the Workhouse, Marylebone, from "consumption, accelerated by want of food and care." *Post mort.* (*Inquest.*)

The following deaths of 2 persons killed by vehicles in the streets were recorded :—

The son of an excavator, aged 2 years, run over. Died on 13th March, in the German Hospital, Hackney. (*Inquest.*)

A railway van driver, aged 58 years, "concussion of brain and spine by falling from a van." Died on 15th March, in St. Bartholomew's Hospital. *Post mort.* (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·517 in. The barometrical reading decreased from 29·76 in. on Thursday, 18th March, to 29·10 in. on Friday, 19th March. The mean temperature of the air in the week was 36·9°, which is 5·1° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 50·6° on Thursday, 18th March. The lowest night temperature was 28·2° on Sunday, 14th March. The entire range of temperature in the week was, therefore, 22·4°. The mean of the highest temperatures of the water of the Thames was 39·7°; that of the lowest was 38·0°. The difference between the mean dew-point temperature and air temperature was 4·6°. The mean degree of humidity of the air was 84, complete saturation being represented by 100. Rain fell to the amount of 0·57 in. The general direction of the wind was variable. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 221,969 cubic metres, and at Barking 151,596 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Eleventh Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1841	2023	1960	1940	1952	2177	2310	2218	2146	2288	2085·5	2166
Males . .	929	1046	996	991	1006	1117	1185	1140	1098	1172	1068·0	1116
Females . .	912	977	964	949	946	1060	1125	1078	1048	1116	1017·5	1050
Total Deaths	1175	1563	1226	1423	1561	1508	1538	1738	1572	1309	1461·3	1549
Males . .	601	771	633	715	802	743	794	869	763	665	735·6	777
Females . .	574	792	593	708	759	765	744	869	809	644	725·7	772

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Dec. 26.	Jan. 2.	Jan. 9.	Jan. 16.	Jan. 23.	Jan. 30.	Feb. 6.	Feb. 13	Feb. 20.	Feb. 27.	Mar. 6.	Mar. 13.	Mar. 20.
Deaths - - - -	1262	1629	1501	1490	1578	1737	1631	1426	1491	1419	1487	1519	1549
Deaths under 20 years of age	599	770	740	716	721	724	723	670	697	647	682	721	698
Deaths 20—40 - - -	201	221	219	210	220	222	221	218	223	208	217	199	204
Deaths 40–60 - - -	216	296	217	243	268	323	276	235	268	253	279	254	268
Deaths at 60 years of age and upwards - - -	246	342	325	321	369	468	411	303	303	311	309	345	379
Deaths from Smallpox - -	6	7	6	3	10	5	9	6	6	2	6	7	3
„ „ Measles - -	17	35	24	20	28	26	17	25	15	12	25	27	20
„ „ Scarlet Fever -	67	83	69	64	64	53	45	56	39	43	56	39	33
„ „ Diphtheria -	8	10	8	8	5	6	3	9	10	7	4	6	5
„ „ Whooping-cough	33	49	62	51	63	85	64	72	82	50	65	81	67
„ „ Fever - -	54	56	60	59	46	69	63	55	79	64	52	63	62
„ „ Diarrhœa - -	10	9	12	12	16	12	9	8	14	9	18	19	13
„ „ Phthisis - -	136	188	153	158	198	194	174	144	189	184	161	176	187
„ „ Bronchitis - -	147	196	213	197	249	293	275	209	171	185	196	230	244
„ „ Pneumonia -	82	98	112	100	89	100	102	84	74	78	98	90	99
„ „ Heart Disease -	61	85	64	92	81	95	81	78	77	72	60	74	74
Mean Temperature of the Air	44·2°	41·0°	45·7°	40·4°	36·6°	40·7°	49·2°	47·5°	45·5°	40·9°	39·1°	35·6°	36·9°
Mean Temperature of the Water of the Thames -	43·8	40·5	40·3	42·9	42·0	37·6	44·9	47·0	45·0	43·3	42·2	40·8	38·8
Humidity of the Air - -	89	89	92	94	87	77	85	86	83	82	76	82	84
Rain-fall in inches - -	1·57	1·53	1·15	0·23	0·13	1·03	0 65	0·97	0·17	0·70	0·47	0·04	0·57

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 20th day of March 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 20th March.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 20th March.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4545**	**3244**	**3606**	**54·6**	**26·7**	**37·5**	**0·57**	**58**	**12·56**	**−2·94**	**3·06**	**145**
London (Metropolis)	3,170,754	40·7	2070	2166	1462	1549	50·6	28·2	36·9	0·57	58	10·34	−2·11	2·72	145
Bristol (City)	169,423	36·1	109	112	76	78 *	54·6	26·7	38·5	0·71	72	12·56	−2·94	3·61	180
Birmingham (Borough)	360,846	46·1	283	269	175	153	..	..	..	..	..	..	..	..	..
Liverpool (Borough)	509,052	99·7	345	342	295	311	48·9	29·8	37·8	0·87	88	9·39	−1·22	3·23	221
Manchester (City)	370,892	82·7	277	278	210	239 *	..	..	..	..	..	..	..	..	..
Salford (Borough)	119,350	23·1	89	76	60	63	49·5	29·1	37·1	0·64	65	9·72	−1·61	2·84	163
Sheffield (Borough)	239,752	10·5	196	180	126	164	48·0	30·0	36·2	0·90	91	8·89	−1·11	2·33	229
Bradford (Borough)	138,522	21·0	105	107	71	74	48·0	30·0	36·5	0·37	37	8·89	−1·11	2·50	94
Leeds (Borough	253,110	11·7	189	211	129	161	48·0	32·0	37·7	0·59	60	8·89	0·00	3·17	150
Hull (Borough)	126,682	35·6	83	92	59	63	50·0	28·0	37·0	0·57	58	10·00	−2·22	2·78	145
Newcastle-on-Tyne (Borough)	130,503	24·5	90	78	69	55	45·0	28·0	34·9	0·12	12	7·22	−2·22	1·61	30
Edinburgh (City)	178,002	40·2	112	122	86	117	47·7	27·0	37·3	0·10	10	8·72	−2·78	2·95	25
Glasgow (City)	458,937	90·6	374	351	268	410	49·9	30·5	38·9	0·15	15	9·94	−0·83	3·83	38
Dublin (City and some suburbs)	320,762	32·9	219	161	158	169	52·3	28·3	41·6	1·21	122	11·28	−2·05	5·34	307
				Week ending 13th Mar. 1869.		Week ending 13th Mar. 1869.	Week ending 13th March 1869.					Week ending 13th March 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	389	..	..	34·0	..	..	..	..	1·13	..
				Week ending 18th Mar. 1869.		Week ending 18th Mar. 1869.	Week ending 18th March 1869.					Week ending 18th March 1869.			
Berlin (City)	(1867) 702,437	..	..	567	..	465	..	..	35·6	..	..	..	..	2·00	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandesborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 20th March, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2166	1549	3	20	33	5	67	62	13
WEST DISTRICTS -	320	282	-	6	5	-	14	8	1
NORTH DISTRICTS -	469	299	-	1	9	2	10	17	1
CENTRAL DISTRICTS	197	208	-	2	3	-	10	7	2
EAST DISTRICTS -	475	347	-	3	11	1	13	17	6
SOUTH DISTRICTS -	705	413	3	8	5	2	20	13	3
WEST DISTRICTS.									
St. Mary Paddington *WH*	38	29	-	3	1	-	2	1	-
St. John Paddington H	15	10	-	-	-	-	1	-	-
Kensington Town *W* -	60	37	-	-	-	-	3	1	-
Brompton H - -	11	16	-	-	1	-	-	-	-
St Peter Hammersmith	2	4	-	-	1	-	-	-	-
St. Paul Hammersmith	14	17	-	-	-	-	1	1	-
Fulham *W* - - -	19	12	-	-	-	-	2	1	1
Chelsea South H - -	16	16	-	-	-	-	-	-	-
ChelseaNorth-west H*Ww*	15	20	-	-	1	-	-	-	-
Chelsea North east -	15	8	-	-	-	-	-	-	-
Hanover Square - -	8	16	-	-	-	-	-	-	-
May Fair *W* - -	3	4	-	-	-	-	1	1	-
Belgrave H - - -	39	35	-	1	-	-	1	1	-
St. John Westminster -	25	21	-	1	-	-	1	1	-
St. Margaret West. *WH*	11	22	-	1	-	-	-	1	-
St. James's Square -	2	-	-	-	-	-	-	-	-
Golden Square *W* -	10	8	-	-	-	-	1	-	-
Berwick-street - -	10	2	-	-	-	-	1	-	-
St. Anne Soho - -	7	5	-	-	1	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	14	19	-	-	-	-	2	1	-
Cavendish Square - -	8	4	-	-	-	-	-	-	-
Rectory Marylebone *W*	18	20	-	-	-	-	1	-	-
St. Mary Marylebone -	26	6	-	-	1	-	-	-	-
Christchurch Marylebone	18	13	-	-	-	-	2	-	-
St. John Marylebone -	10	14	-	-	-	-	-	-	-
Hampstead *W* - -	9	7	-	-	-	-	-	-	-
Regent's Park Pancras -	26	19	-	-	1	-	-	2	1
Tottenham-court *w*H -	27	14	-	-	1	-	-	-	-
Gray's Inn Lane H -	24	16	-	-	-	-	1	-	-
Somers Town - -	39	11	-	-	-	-	1	-	-
Camden Town *W* -	15	18	-	-	1	1	-	-	-
Kentish Town - -	44	25	-	-	3	-	-	-	-
Islington West* *WHH*	47	45	-	1	-	-	2	11	-
Islington East *Ww* -	82	37	-	-	1	1	1	2	-
Stoke Newington - -	2	-	-	-	-	-	-	-	-
Stamford Hill - -	1	1	-	-	-	-	-	-	-
West Hackney - -	15	3	-	-	-	-	-	-	-
Hackney *WHw* - -	30	17	-	-	-	-	-	1	-
South Hackney L -	14	10	-	-	1	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	6	6	-	-	-	-	2	-	-
St. Giles South *W* -	12	19	-	-	-	-	-	1	-
St. Giles North - -	11	11	-	-	-	-	-	-	-
Long Acre - - -	12	11	-	1	-	-	-	-	-
Charing Cross *WH* -	3	10	-	-	-	-	-	1	-
St. Mary le Strand -	6	5	-	1	-	-	-	-	-
St. Clement Danes H -	5	9	-	-	-	-	-	-	-
St. George-the-Martyr H	11	14	-	-	-	-	1	1	-
St. Andrew, East Holb. *W*	9	12	-	-	-	-	-	-	-
Saffron Hill - - -	6	8	-	-	-	-	-	-	1
St. James Clerkenwell *W*	16	14	-	-	-	-	-	-	1
Amwell Clerkenwell -	14	7	-	-	1	-	-	1	-
Pentonville - - -	7	6	-	-	-	-	2	-	-
Goswell street - -	6	5	-	-	-	-	-	1	-
Old street - - -	6	7	-	-	-	-	2	-	-
City road HL - -	16	8	-	-	-	-	1	1	-
Whitecross street - -	6	8	-	-	1	-	-	-	-
Finsbury - - -	3	3	-	-	-	-	2	-	-
St. Botolph East London	13	9	-	-	-	-	-	-	-
Cripplegate - - -	5	5	-	-	-	-	-	1	-
West London North *WH*	3	15	-	-	-	-	-	-	-
West London South -	8	5	-	-	1	-	-	-	-
London City South-west	2	1	-	-	-	-	-	-	-
London City North-west	2	2	-	-	-	-	-	-	-
London City South -	-	3	-	-	-	-	-	-	-
London City South-east	1	3	-	-	-	-	-	-	-
London City North-east	8	2	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	6	5	-	-	-	-	1	-	-
St. Leonard Shrdtch. L†	16	11	-	1	1	-	1	3	-
Hoxton New Town *w* -	23	24	-	-	1	-	1	2	-
Hoxton Old Town - -	21	12	-	-	-	-	1	-	-
Haggerstone West *W* -	17	20	-	-	-	-	-	1	-
Haggerstone East - -	17	13	-	-	-	-	1	-	-
Hackney road - -	30	10	-	-	1	-	2	-	-
Green, Bthnl.Grn. *WHL*†	39	32	-	1	1	-	-	-	-
Church, Bethnal Green	13	10	-	-	-	-	1	-	-
Town, Bethnal Green -	17	8	-	-	-	-	1	-	-
Artillery Whitechapel -	6	8	-	-	1	-	-	1	-
Spitalfields - - -	5	6	-	-	-	-	2	1	-
Mile End New Town *W*	6	13	-	-	1	1	-	1	-
Whitechapel North -	5	5	-	-	-	-	-	-	-
Whitechapel Church H	7	13	-	-	-	-	-	-	-
Goodman's Fields - -	4	5	-	-	-	-	-	-	-
Aldgate - - - -	2	4	-	-	-	-	-	-	-
St. Mary St. Geo. East -	12	10	-	-	-	-	-	-	-
St. Paul St. Geo. East -	12	12	-	1	-	-	-	-	-
St. John St. Geo. East *W*	9	7	-	-	-	-	-	2	-
Shadwell *W* - - -	5	5	-	-	1	-	-	-	-
Ratcliff *W* - - -	14	9	-	-	1	-	-	-	-
Limehouse *W* - -	25	19	-	-	1	-	-	-	-
Mile End Old Town, West	37	15	-	-	-	-	-	-	-
Mile End Old T., East *Ww*	33	16	-	-	1	-	-	1	-
Bow *ww*L† - - -	52	34	-	-	1	-	1	3	-
Poplar *W* - - -	42	21	-	-	-	-	1	2	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	7	-	1	-	-	1	-	-
St. Saviour Southwark H	9	6	-	-	-	-	-	-	-
St. Olave Southwark H	4	11	-	-	-	-	-	-	-
St. John Horsleydown *W*	6	12	-	-	-	-	1	2	-
St. James Bermondsey -	42	17	-	-	-	-	3	-	-
St. Mary Magdalen *W*	15	16	-	-	-	-	-	1	-
Leather Market - -	18	10	1	-	-	-	-	2	-
Kent-road - - - -	15	17	-	-	-	-	1	2	-
Borough-road *W* - -	15	7	-	-	-	-	-	-	-
London-road L - -	17	8	-	-	1	-	1	-	-
Trinity Newington -	24	12	-	-	-	-	4	-	-
St. Peter Walworth *W*	37	20	-	1	-	-	-	1	-
St. Mary Newington H -	11	6	-	1	-	-	-	-	-
Waterloo-road 1st - -	9	4	-	-	-	-	-	-	-
Waterloo-road 2nd -	23	10	-	-	-	-	1	-	-
Lambeth Church 1st -	15	7	-	1	-	-	-	-	-
Lambeth Church 2nd *W*	30	21	-	2	-	-	1	1	-
Kennington 1st - -	33	17	-	-	2	-	1	-	-
Kennington 2nd - -	17	10	-	-	-	-	1	-	-
Brixton - - - -	19	18	-	1	1	-	-	1	-
Norwood *W* - - -	8	4	-	-	-	-	-	-	-
Clapham - - -	13	10	-	-	-	-	-	-	-
Battersea *Ww* - -	34	20	1	-	-	-	1	-	-
Wandsworth L - -	10	10	-	1	-	-	1	-	-
Putney - - - -	7	-	-	-	-	-	-	-	-
Streatham - - -	8	5	-	-	-	-	-	-	-
Dulwich - - -	1	-	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	22	9	-	-	-	-	-	-	-
Peckham - - -	26	14	-	-	-	-	-	-	-
St. George Camberwell -	24	15	-	-	-	-	-	-	-
Rotherhithe *W* - -	16	12	-	-	-	-	-	-	-
St. Paul Deptford - -	48	18	1	-	-	-	1	-	-
St. Nicholas Deptford -	1	1	-	-	-	-	-	-	-
Greenwich West H -	12	6	-	-	-	-	-	1	-
Greenwich East *WH* -	19	21	-	-	-	-	1	-	-
Eltham - - - -	3	2	-	-	-	-	-	-	-
Lee - - - -	3	7	-	-	1	1	1	-	-
Lewisham Village *W* -	10	2	-	-	-	-	-	-	-
Sydenham - - -	4	4	-	-	-	1	-	-	-
Charlton H - - -	6	2	-	-	-	-	-	-	-
Woolwich Dockyard H	13	4	-	-	-	-	-	1	-
Woolwich Arsenal H -	20	5	-	-	-	-	-	-	-
Plumstead, West - -	18	2	-	-	-	-	-	1	-
Plumstead, East - -	11	4	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist and Bow sub-district.
Stepney - - - ,, ,, Bow sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the ELEVENTH WEEK of each of the following Years.

ass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 19 1859	Mar 17 1860	Mar 16 1861	Mar 15 1862	Mar 14 1863	Mar 19 1864	Mar 18 1865	Mar 17 1866	Mar 16 1867	Mar 14 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 20, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	47°·4	40°·2	42°·4	44°·9	38°·1	43°·0	36°·3	39°·3	34°·1	44°·7	41°·0	Mean Temp. 36·9						
	ALL CAUSES . . .	1175	1563	1226	1423	1561	1508	1538	1738	1572	1309	1461·3	1549	582	698	204	268	306	73
	SPECIFIED CAUSES .	1173	1544	1218	1380	1531	1489	1525	1731	1550	1301	1444·2	1545	582	698	203	267	304	73
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	277	245	260	358	336	290	312	338	248	228	289·2	267	160	200	27	23	15	2
I.	CONSTITUTIONAL „ .	219	286	281	267	294	307	310	345	295	292	289·6	295	67	96	106	61	29	3
I.	LOCAL „ .	516	799	501	566	667	654	680	797	755	584	651·9	760	240	282	62	175	213	28
V.	DEVELOPMENTAL „ .	131	174	135	145	192	190	172	192	211	165	170·7	195	105	107	4	3	43	38
V.	VIOLENT DEATHS . .	30	40	41	44	42	48	51	59	41	32	42·8	28	10	13	4	5	4	2
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	256	224	239	336	318	262	288	315	212	212	266·2	244	145	185	27	17	14	1
	2. ENTHETIC „ . .	4	7	6	7	8	13	11	8	12	5	8·1	11	6	6	..	4	1	..
	3. DIETIC „ . .	13	13	13	12	7	12	10	13	16	5	11·4	11	8	8	..	2	..	1
	4. PARASITIC „ . .	4	1	2	3	3	3	3	2	8	6	3·5	1	1	1	..	..	..	..
I.	1. DIATHETIC „ . .	46	55	48	40	45	47	57	49	47	48	48·2	51	5	7	3	18	21	2
	2. TUBERCULAR „ . .	173	231	233	227	249	260	253	296	248	244	241·4	244	62	89	103	43	8	1
I.	1. DISEASES OF NERVOUS SYSTEM . .	156	185	137	153	185	151	166	176	206	169	168·4	180	70	78	13	33	48	8
	2. „ OF ORGANS OF CIRCULATION .	55	73	53	62	61	80	96	86	92	77	73·5	77	..	9	16	29	19	4
	3. „ OF RESPIRATORY ORGANS . .	217	450	211	268	337	336	330	432	365	250	319·6	384	157	172	13	72	113	14
	4. „ OF DIGESTIVE ORGANS . .	54	51	52	58	44	57	59	54	57	48	53·4	71	10	15	8	25	22	1
	5. „ OF URINARY ORGANS . . .	17	27	31	16	20	15	15	29	22	22	21·4	34	1	2	8	13	10	1
	6. „ OF ORGANS OF GENERATION .	7	6	4	2	8	3	5	7	5	7	5·4	3	..	..	1	1	1	..
	7. „ OF ORGANS OF LOCOMOTION .	..	3	6	2	10	4	..	9	6	8	4·8	6	..	3	2	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	10	4	7	5	2	8	9	4	2	3	5·4	5	2	3	1	1	..	..
V.	1. DEV. DISEASES OF CHILDREN	34	55	41	33	50	52	35	49	62	40	45·1	51	51	51	..	..	..	..
	2. „ OF ADULTS . .	8	9	4	3	9	8	8	8	8	3	6·8	5	..	1	3	1	..	..
	3. „ OF OLD PEOPLE	37	60	43	61	62	78	67	75	59	54	59·6	73	..	..	..	..	35	38
	4. DISEASES OF NUTRITION .	52	50	47	48	71	52	62	60	82	68	59·2	66	54	55	1	2	8	..
V.	1. ACCIDENT OR NEGLIGENCE .	23	33	32	37	36	42	38	50	35	20	34·6	22	10	13	3	2	3	1
*	3. HOMICIDE	1	2	2	3	1	3	7	2	3	4	2·8	..	..	..	..	..	..	..
	4. SUICIDE	6	5	7	4	5	3	6	7	2	8	5·3	6	..	..	1	3	1	1
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	..	6	3	5	2	6	4	4	1	4	3·5	3	..	..	1	..	2	..
	CAUSES NOT SPECIFIED . .	2	13	5	38	28	13	9	3	21	4	13·6	1	..	..	..	1	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 19 1859	Mar 17 1860	Mar 16 1861	Mar 15 1862	Mar 14 1863	Mar 19 1864	Mar 18 1865	Mar 17 1866	Mar 16 1867	Mar 14 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 20, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and
	Mean Temperature	47°4	40°2	42°4	44°9	38°1	43°0	36°3	39°3	34°1	44°7	41°0	36°9						
I.	ORDER 1.																		
	1. Small-pox	15	29	4	6	47	10	14	28	35	11	19·9	3	3	3	..	..	..	..
	2. Measles	31	24	20	22	36	25	20	60	13	36	28·7	20	18	20	..	..	..	..
	3. Scarlet Fever (Scarlatina)	66	33	27	49	66	41	27	33	13	12	36·7	33	19	33	..	..	..	..
	4. Diphtheria	15	10	12	19	16	11	5	6	4	8	10·6	5	2	4	1	..	..	..
	5. Quinsy	4	..	3	6	2	2	..	2	4	..	2·3	..	..	..	..	..	..	..
	6. Croup	9	12	16	27	16	8	15	15	17	14	14·9	13	10	13	..	..	..	..
	7. Whooping-cough	46	45	80	54	67	63	88	73	64	54	63·4	67	65	67	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	39	41	30	108	35	58	85	66	31	36	52·9	20 26 16	.. 9 4	2 13 8	6 10 2	8 1 1	4 2 4	 1
	9. Erysipelas	5	3	6	8	7	9	5	8	2	7	6·0	10	5	5	1	1	3	..
	10. Puerperal Fever (Metria)	3	3	3	8	2	10	5	..	3	8	4·5	1	..	..	1	..	..	..
	11. Carbuncle	1	..	2	1	1	2	3	1	1	1	1·3	..	..	..	..	..	..	..
	12. Influenza	..	3	1	..	..	..	..	1	1	..	·6	2	1	1	..	1	..	..
	13. Dysentery	3	2	5	1	4	1	1	2	2	..	2·1	1	..	..	..	1	..	..
	14. Diarrhœa	11	5	15	14	11	11	12	10	15	14	11·8	13	7	8	2	2	1	..
	15. Simple Cholera	..	..	..	..	..	..	1	..	..	2	·3	..	..	..	..	..	..	..
	16. Ague	..	1	..	..	1	1	..	..	..	..	·3	..	..	..	..	..	..	..
	17. Remittent fever	1	4	3	4	1	..	1	5	..	..	1·9	..	..	..	..	..	..	..
	18. Rheumatism	7	9	12	9	6	10	6	5	7	9	8·0	12	..	6	4	2	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	2	2	2	..	..	..	..
	ORDER 2.																		
	1. Syphilis	4	6	6	7	7	13	10	7	9	4	7·3	8	6	6	..	2	..	..
	2. Stricture of Urethra	..	1	..	..	..	..	1	1	3	1	·7	3	..	..	..	2	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	2	..	..	..	1	1	1	1	..	·7	1	..	..	..	1	..	..
	2. Want of Breast-milk	6	9	7	5	4	6	3	6	7	3	5·6	6	6	6	..	..	..	..
	3. Purpura and Scurvy	2	..	3	4	1	3	..	1	4	1	1·9	2	2	2	..	..	..	..
	4. Alcoholism *a* Del. Tremens *b* Intemperance	2 2	1 1	3 ..	2 1	2 ..	.. 2	6 ..	3 2	2 2	1 ..	2·2 1·0	.. 2	.. ..	.. ..	.. ..	.. 1	.. ..	.. 1
	ORDER 4.																		
	1. Thrush	3	1	2	3	3	2	3	1	7	6	3·1	1	1	1	..	..	..	..
	2. Worms, &c.	1	..	..	..	..	1	..	1	1	..	·4	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	3	3	1	1	2	7	3	2	1	2	2·5	2	..	..	..	1	1	..
	2. Dropsy	15	19	14	10	15	13	25	20	15	7	15·3	24	5	7	..	6	9	2
	3. Cancer	22	29	24	26	25	23	24	22	21	34	25·0	22	..	..	3	11	8	..
	4. Cancrum Oris (Noma)	2	1	..	1	..	..	..	1	2	..	·7	..	..	..	..	..	..	..
	5. Mortification	4	3	9	2	3	4	5	4	8	5	4·7	3	..	..	..	..	3	..
	ORDER 2.																		
	1. Scrofula	8	8	8	12	14	13	10	14	9	3	9·9	6	3	5	..	..	1	..
	2. Tabes Mesenterica	13	19	21	17	16	22	16	24	19	17	18·4	20	18	20	..	..	..	..
	3. Phthisis	128	171	165	162	191	177	189	219	193	191	178·6	187	13	33	103	43	7	1
	4. Hydrocephalus	24	33	39	36	28	48	38	39	27	33	34·5	31	28	31	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	17	15	11	12	15	8	17	8	17	15	13·5	13	7	9	..	2	2	..
	2. Apoplexy	43	50	28	34	41	42	34	36	39	35	38·2	47	1	2	4	14	23	4
	3. Paralysis	23	33	24	34	27	33	27	37	39	29	30·6	32	..	..	2	10	16	4
	4. Insanity	1	1	1	1	..	2	..	3	2	2	1·3	..	..	..	..	..	..	..
	5. Chorea	..	..	1	..	..	1	..	..	..	..	·2	1	..	1	..	..	..	..
	6. Epilepsy	11	9	5	8	9	5	6	11	14	8	8·6	6	..	..	2	2	2	..
	7. Convulsions	45	58	53	51	72	42	58	59	71	62	57·1	61	59	61	..	..	..	..
	8. *Brain Disease, &c.*	16	19	14	13	21	18	24	22	24	18	18·9	20	3	5	5	5	5	..
	ORDER 2.																		
	1. Pericarditis	6	2	1	..	5	2	..	4	3	2	2·5	1	..	..	..	1	..	..
	2. Aneurism	..	5	2	1	6	4	1	3	4	2	2·8	2	..	..	1	1	..	..
	3. *Heart Disease, &c.*	49	66	50	61	50	74	95	79	85	73	68·2	74	..	9	15	27	19	4
	ORDER 3.																		
	1. Laryngitis	6	11	7	13	12	13	14	11	7	11	10·5	12	10	11	..	..	1	..
	2. Bronchitis	109	267	115	161	170	193	200	267	220	140	184·2	244	76	80	9	51	91	13
	3. Pleurisy	2	1	4	..	1	1	4	2	3	5	2·3	3	..	..	..	2	1	..
	4. Pneumonia	84	140	67	68	114	102	87	111	103	73	94·9	99	63	73	3	13	10	..
	5. Asthma	10	27	11	11	16	9	7	23	18	6	13·8	15	..	..	..	6	9	..
	6. *Lung Disease, &c.*	6	4	7	15	24	18	18	18	14	15	13·9	11	8	8	1	..	1	1
	ORDER 4.																		
	1. Gastritis	2	3	..	3	1	2	1	2	1	..	1·5	1	..	..	..	..	1	..
	2. Enteritis	7	8	2	7	5	4	4	5	4	3	4·9	3	1	2	..	1	..	..
	3. Peritonitis	5	2	5	3	5	9	7	3	1	9	4·9	5	..	1	1	3	..	..
	4. Ascites	3	3	1	1	2	1	7	3	5	2	2·8	5	..	1	2	..	2	..
	5. Ulceration of Intestines	4	2	2	..	4	2	3	6	4	3	3·0	2	..	2	..	..	..	..
	6. Hernia	1	4	6	8	4	3	3	2	1	2	3·4	4	1	1	1	..	1	1
	7. Ileus	3	4	3	3	..	..	3	1	4	4	2·5	2	1	1	..	1	..	..
	8. Intussusception	1	1	..	1	1	..	1	2	..	1	·8	1	1	1	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism" of "hæmorrhage" and "abscess"

The Eleventh Week of each of the following Years—*continued.*

CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 19 1859	Mar 17 1860	Mar 16 1861	Mar 15 1862	Mar 14 1863	Mar 19 1864	Mar 18 1865	Mar 17 1866	Mar 16 1867	Mar 14 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 20, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
Mean Temperature	47°·4	40°·2	42°·4	44°·9	38°·1	43°·0	36°·3	39°·3	34°·1	44°·7	41°·0	Mean Temp. 36°·9						
9. Stricture of Intestines	1	1	1	..	..	1	1	..	..	..	·5	3	..	..	..	1	2	..
10. Fistula	1	1	..	..	..	..	..	..	1	..	·3	1	..	..	..	1	..	..
11. *Stomach Disease, &c.*	8	4	6	10	3	6	5	5	7	5	5·9	10	4	4	2	3	1	..
12. *Pancreas Disease, &c.*	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
13. Hepatitis	5	2	4	5	4	2	2	4	5	1	3·4	7	..	..	..	3	4	..
14. Jaundice	1	5	2	4	4	7	4	7	5	6	4·5	6	2	2	1	1	2	..
15. *Liver Disease, &c.*	11	11	20	13	10	19	18	13	19	12	14·6	21	..	..	1	11	9	..
16. *Spleen Disease, &c.*	..	..	..	..	1	1	..	1	..	..	·3	..	..	..	..	..	..	..
Order 5.																		
1. Nephritis	..	1	..	1	2	..	..	1	..	2	·7	3	..	..	2	..	1	..
2. Ischuria	..	1	..	..	..	1	..	1	..	..	·3	..	..	..	..	..	..	..
3. Bright's disease (Nephria)	4	12	11	6	9	5	8	12	9	8	8·4	13	1	1	5	4	3	..
4. Diabetes	1	1	1	1	1	2	..	3	2	2	1·4	2	..	..	1	..	1	..
5. Calculus (Stone)	2	1	1	2	..	2	..	1	..	1	1·0	..	..	..	..	..	..	..
6. Cystitis	1	..	3	1	2	2	..	2	4	2	1·7	1	..	..	..	..	..	1
7. *Kidney Disease, &c.*	9	11	15	5	6	3	7	9	7	7	7·9	15	..	1	..	9	5	..
Order 6.																		
1. Ovarian Dropsy	5	2	1	..	2	1	1	..	1	..	1·3	1	..	..	..	1	..	..
2. *Uterus Disease, &c.*	2	4	3	2	6	2	4	7	4	7	4·1	2	..	..	1	..	1	..
Order 7.																		
1. Synovitis (Arthritis)	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
2. *Joint Disease, &c.*	..	3	5	2	10	4	..	9	6	8	4·7	6	..	3	2	1	..	..
Order 8.																		
1. Phlegmon	6	1	2	2	..	2	2	3	1	1	2·0	4	1	2	1	1	..	..
2. Ulcer	3	1	2	1	2	4	1	1	..	1	1·6	..	..	..	..	..	..	..
3. *Skin Disease, &c.*	1	2	3	2	..	2	6	..	1	1	1·8	1	1	1	..	..	..	..
Order 1.																		
1. Premature Birth	13	22	20	13	18	19	12	19	23	21	18·0	23	23	23	..	..	..	..
2. Cyanosis	3	3	1	1	1	2	1	4	1	3	2·0	4	4	4	..	..	..	..
3. Spina Bifida	1	2	..	1	1	..	1	1	..	..	·7	2	2	2	..	..	..	..
4. Other Malformations	..	1	3	2	..	2	3	..	1	1	1·3	1	1	1	..	..	..	..
5. Teething	17	27	17	16	30	29	18	25	37	15	23·1	21	21	21	..	..	..	..
Order 2.																		
1. Paramenia	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
2. Childbirth (*see* Puerperal Fev.)	8	9	4	3	9	8	8	8	8	3	6·8	4	..	..	3	1	..	..
Order 3.																		
1. Old Age	37	60	43	61	62	78	67	75	59	54	59·6	73	..	..	..	..	35	38
Order 4.																		
1. Atrophy and Debility	52	50	47	48	71	52	62	60	82	68	59·2	66	54	55	1	2	8	..
Order 1. (Accident or Negligence.)																		
1. Fractures and Contusions	6	13	7	13	15	16	13	20	17	7	12·7	10	2	3	1	2	3	1
2. Wounds	1	..	..	2	..	1	2	..	..	..	·6	1	..	..	1	..	..	..
3. Burns and Scalds	6	8	11	8	5	8	9	13	5	3	7·6	4	2	4	..	..	..	..
4. Poison	..	1	2	..	1	..	1	2	1	..	·8	..	..	..	..	..	..	..
5. Drowning	4	2	3	2	6	3	4	5	3	5	3·7	1	..	..	1	..	..	..
6. Suffocation	6	6	9	9	8	14	6	7	7	5	7·7	6	6	6	..	..	..	..
7. Otherwise	..	3	..	3	1	..	3	3	2	..	1·5	..	..	..	..	..	..	..
Order 3. (Homicide.)																		
1. Murder and Manslaughter	1	2	2	3	1	3	7	2	3	4	2·8	..	..	..	..	..	..	..
Order 4. (Suicide.)																		
1. Wounds { Gunshot	1	..	1	..	..	..	..	..	..	1	·3	1	..	..	..	..	1	..
1. Wounds { Cut, Stab	..	1	..	..	..	1	..	1	..	1	·4	1	..	..	..	..	..	1
2. Poison	1	..	2	1	1	..	2	2	..	3	1·2	3	..	..	..	3	..	..
3. Drowning	4	1	1	2	1	..	3	2	..	1	1·5	..	..	..	..	..	..	..
4. Hanging	..	3	3	1	2	2	..	2	1	1	1·5	..	..	..	..	..	..	..
5. Otherwise	..	..	..	..	1	..	1	..	1	1	·4	1	..	..	1	..	..	..
Order 5. (Execution.)																		
1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Violent Deaths (not classed)	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
Sudden Deaths (Cause unascertained)	..	6	3	5	2	6	4	4	1	4	3·5	3	..	..	1	..	2	..
Causes not specified or ill-defined	2	13	5	38	28	13	9	3	21	4	13·6	1	..	..	..	1	..	..

…h the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" …ass I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is …ost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 20th March 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
March.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	14	In Equator	29·589	39·7	28·2	11·5	33·9	26·3	84·6	26·7	39·4	37·4	7·6	13·1	3·5	— 7·6	73	NE.	NE.	3·3	0·0	0·7	427	0·05	5
Monday . .	15	..	29·680	39·7	32·4	7·3	35·1	28·1	52·2	31·3	39·9	37·6	7·0	9·4	2·6	— 6·6	75	NE.	NE.	0·7	0·0	0·1	212	0·00	3
Tuesday .	16	..	29·549	39·0	30·9	8·1	34·3	25·2	53·4	26·8	39·4	37·4	9·1	12·2	5·1	— 7·6	69	N.	N.byW,WSW. & S. by E.	0·5	0·0	0·0	178	0·00	3
Wednesday	17	..	29·288	39·7	34·4	5·3	36·5	34·1	50·8	25·0	39·7	38·4	2·4	5·3	1·4	— 5·5	91	SSE.	SE. & E.	2·4	0·0	0·3	286	0·01	6
Thursday.	18	..	29·739	50·6	29·6	21·0	39·7	37·6	80·3	22·7	38·9	37·4	2·1	11·6	0·0	— 2·4	92	Variable	SW.&W.	1·2	0·0	0·1	208	0·04	2
Friday . .	19	..	29·357	49·1	37·7	11·4	43·0	40·9	57·7	31·7	39·9	38·4	2·1	4·2	0·0	+ 0·8	92	WSW. & S.	S. SSW. & NE.	9·0	0·0	0·3	264	0·09	5
Saturday.	20	..	29·414	39·2	33·1	6·1	35·6	33·9	45·3	31·9	40·9	39·4	1·7	4·6	0·0	— 6·6	94	N. by W.	N. by E.	13·0	0·1	2·1	541	0·38	1
Means . .		..	29·517	42·4	32·3	10·1	36·9	32·3	60·6	28·0	39·7	38·0	4·6	8·6	1·8	— 5·1	84	Variable.		..	..	..	Sum 2116	Sum 0·57	3·6
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. March.		Electricity.	Sky and Atmosphere.
Sunday	14	The insulating lamp was not burning.	During the early morning hours snow fell; generally fine throughout the day; overcast at night, and a few flakes of snow fell.
Monday	15		Overcast. A little sleet fell about 8h. A.M.
Tuesday	16		Overcast till night, then cloudless. Fog in the morning.
Wednesday	17		Generally overcast. Thin rain fell in the morning.
Thursday	18	No electricity was shown.	Generally overcast till evening; rain fell between 5h. P.M. and 7h. P.M.; cloudless afterwards.
Friday	19		Overcast till evening, and rain fell occasionally; partially clear at night.
Saturday	20	The insulating lamp was out.	Overcast. Rain fell frequently, at times with snow mingled.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·48 in. at the beginning of the week to 29·70 in. by noon on the 15th; decreased to 29·18 in. by 9h. A.M. on the 17th; increased to 29·76 in. by 9h. A.M. on the 18th; decreased to 29·10 in. by 9h. P.M. on the 19th; and was 29·48 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

ROYAL COLLEGE OF SURGEONS OF ENGLAND

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 12. 1869. Vol. XXX.] Week ending Saturday, March 27. [Price 1½d.

General Register Office, Somerset House,
29th March 1869.

In the week that ended on Saturday, 27th March, 4623 births, and 3594 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 29 per 1000 persons living.

The annual rate of mortality last week was 26 per 1000 in London, 36 in Edinburgh, and 33 in Dublin; 31 in Bristol, 17 in Birmingham, 31 in Liverpool, 32 in Manchester, 25 in Salford, 31 in Sheffield, 32 in Bradford, 21 in Leeds, 30 in Hull, 26 in Newcastle-upon-Tyne, and 46 in Glasgow. The rate in Berlin was 34 per 1000 during the seven days ending the 25th instant.

In London the births of 1121 boys and 1056 girls, in all 2177 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2259.

The deaths registered in London during the week were 1590. It was the twelfth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1603. The deaths in the present return are less by 13 than the estimated number.

The deaths from zymotic diseases were 277, the corrected average number being 320. Two deaths from small-pox, 30 from measles, 43 from scarlet fever, 4 from diphtheria, 71 from whooping-cough, 14 from typhus fever, 21 from enteric fever, 22 from simple continued fever, and 16 from diarrhœa were registered.

Seventeen deaths from scarlet fever were recorded in the East districts; of these, 3 occurred in the sub-district of Limehouse, 2 in the sub-district of Mile-end Old Town East, 3 in the sub-district of Bow, and 2 in the sub-district of Poplar.

Ten children died of measles in the Lambeth Workhouse, from 16th to 23d March.

One hundred and ninety-seven deaths occurred from phthisis, 262 from bronchitis, and 103 from pneumonia. The corrected average number of deaths from phthisis is 187, from bronchitis 213, and from pneumonia 102.

The deaths of 4 persons from delirium tremens, of 8 infants from syphilis, of 6 children from burns or scalds, of 3 persons from drowning, of 5 infants and one adult from suffocation, and of 6 persons who committed suicide were registered.

The son of a soldier, aged 9 years, died on 19th March, in St. Mary's Hospital from "pyæmia after the introduction of a stone into the ear." *Post mort.* (*Inquest.*)

The wife of a wire worker, aged 46 years, died on 17th March, at 4 Three-colt-corner, Bethnal-green, from "want of food, congestion of lungs."

The following deaths of 5 persons killed by vehicles in the streets were recorded:—

A porter, aged 51 years, run over by a cart. Died on 21st March at 79 Dean-street, Soho. *Post mort.* (*Inquest.*)

The son of a sweep, aged 2 years, run over by an omnibus. Died on 19th March in University College Hospital. *Post mort.* (*Inquest.*)

The daughter of a drover, aged 5 years, "fracture of skull, run over by a cart." Died on 18th March in Burdett-street, Walworth. (*Inquest.*)

A carman, aged 60 years, "fractured skull, run over by a cart." Died instantly, 19th March, in St. John's-street-road, Clerkenwell. (*Inquest.*)

The widow of a fisherman, aged 79 years, "fractured leg, run over by a cart." Died on 17th March, in St. Thomas's Hospital. (*Inquest.*)

The waters supplied by the Metropolitan Companies during the month of March contained (according to Professor Frankland's analysis) in 100,000 tons, foreign solid matters amounting to 30 tons in the Chelsea water, 30 in the West Middlesex, 30 in the Southwark and Vauxhall, 30 in the Grand Junction, 30 in the Lambeth, 30 in the New River, 33 in the East London, and 41 in the Kent. 100,000 tons of the Chelsea water contained 23 tons, the West Middlesex 24 tons, the Southwark and Vauxhall 25 tons, the Grand Junction 25 tons, the Lambeth 26 tons, the New River 25 tons, the East London 26 tons, and the Kent 31 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients. Professor Frankland remarks:—"The Chelsea, Southwark, and "Lambeth Companies delivered slightly turbid waters; the samples drawn from "the mains of the other companies were perfectly clear. The sediments from "all the turbid waters contained living organisms. The subsidence of the floods "in the Thames and Lea has been followed by a very great improvement in the "quality of the metropolitan waters derived from these sources, as regards con- "tamination with organic matter; but, on the other hand, the hardness of the "Thames water has increased on an average $4\frac{1}{2}$ degrees since my last report."

The waters supplied at Bristol in February contained (according to Professor Frankland's analysis) in 100,000 tons foreign solid matters amounting to 127 tons in the All Saints-lane water, and 29 tons in the water supplied by the Bristol Waterworks. 100,000 tons of the All Saints-lane water contained 67 tons, and the water supplied by the Bristol Waterworks 24 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

Of the All Saints-lane water the surgeon to the Bristol Dispensary says:—"It "is not supplied by the waterworks company. It is much used in the neighbour- "hood, and also by small trading vessels."

Professor Frankland remarks:—"This water is simply sewage oxidized and "filtered. Its use for domestic purposes cannot but be attended with much risk "to health, and the supply to the public ought to be stopped."

The Bristol Waterworks Company decline to state whence their supply is obtained.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·821 in. The barometrical reading decreased from 30·12 in. on Tuesday, 23d March, to 29·46 in. by the end of the week. The mean temperature of the air in the week was 38·7°, which is 3·7° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 50·4° on Thursday, 25th March. The lowest night temperature was 29·2° on Saturday, 27th March. The entire range of temperature in the week was, therefore, 21·2°. The mean of the highest temperatures of the water of the Thames was 41·7°; that of the lowest was 40·4°. The difference between the mean dew-point temperature and air temperature was 4·7°. The mean degree of humidity of the air was 84, complete saturation being represented by 100. Rain fell to the amount of 0·27 in. The general direction of the wind was N.N.E. and N.E. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness, was 242,671 cubic metres, and at Barking 168,088 cubic metres, equivalent to about as many tons by weight.

Royal College of Chemistry,
24th March 1869.

SIR,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of March. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Glasgow, Newcastle, Manchester, Preston, Lancaster, and Bristol, when submitted to the same analytical processes.

The Chelsea, Southwark, and Lambeth Companies delivered slightly turbid waters; the samples drawn from the mains of the other companies were perfectly clear. The sediments from all the turbid waters contained living organisms. The subsidence of the floods in the Thames and Lea has been followed by a very great

improvement in the quality of the metropolitan waters derived from these sources, as regards contamination with organic matter ; but, on the other hand, the hardness of the Thames water has increased on an average 4½ degrees since my last report.

I have, &c.
E. FRANKLAND.

The Registrar General,
&c. &c. &c.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	3d March, Cab Rank, Horse Guards	8·0	30·14	·181	·026	·001	·387	·414	3560	1·9	23·2
West Middlesex	4th March, Cab Rank, Portland-road	7·2	30·18	·185	·021	·000	·169	·190	1370	1·8	23·5
Southwark and Vauxhall	3d March, Cab Rank, St. George's Church, Borough	8·0	30·04	·206	·035	·002	·338	·375	3080	1·75	24·8
Grand Junction	3d March, Cab Rank, Woodstock-st.	6·6	30·18	·150	·027	·001	·302	·330	2710	1·63	24·8
Lambeth	3d March, Cab Rank, Lambeth-road	8·0	29·56	·171	·016	·001	·288	·305	2570	1·78	25·7
OTHER SOURCES.											
New River	3d March, Cab Rank, Tottenham-court-road	7·2	29·80	·127	·014	·000	·348	·362	3160	1·63	25·0
East London	2d March, Slater's Lamp Black Works, Old Ford-road	8·3	32·72	·236	·025	·001	·297	·323	2660	2·1	25·7
Kent	2d March, Deptfd. Bdge, Police Stat.	11·1	40·80	·061	·017	·000	·403	·420	3710	2·33	31·1
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July, Glasgow		3·0	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June, Manchester		6·2	·183	·009	·006	·025	·039	0	1·117	3·7
Preston	August, Preston		12·44	·236	·031	·006	·000	·036	0	1·590	8·9
Lancaster	November, Lancaster.		4·58	·129	·022	·001	·000	·023	0	·993	·87
BRISTOL WATERS	*All Saint's Lane, Feb. 1869		127·28	·186	·030	·001	4·712	4·743	46910	7·1	66·92
	†Bristol Waterworks, Feb. 1869		28·66	·160	·017	·001	·203	·221	1720	1·3	24·46
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 3d March at the Horse Guards cab rank had a temperature of

8·0° C.; 100,000 lbs. of it contained 30·14 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·181 lb. of carbon and ·026 lb. of nitrogen. This solid impurity also contained ·387 lb. of nitrogen in the form of nitrates and nitrites, besides ·001 lb. of ammonia, whilst the total amount of *combined* nitrogen in every form was ·414 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 3560 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The amount of chlorine contained in the same weight of water was 1·9 lbs. Finally, 100,000 lbs. of the Chelsea Company's water contained 23·2 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Twelfth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1942	1845	1930	1805	2231	1897	2101	2219	2224	2299	2054·3	2177
Males . .	961	918	991	884	1129	974	1091	1150	1147	1188	1043·3	1121
Females .	981	927	989	921	1102	923	1010	1069	1077	1111	1011·0	1056
Total Deaths	1141	1611	1214	1271	1624	1397	1634	1649	1731	1298	1457·0	1590
Males . .	603	827	617	637	822	729	805	854	832	685	741·1	800
Females .	538	784	597	634	802	668	829	795	899	613	715·9	790

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Jan. 2.	Jan. 9.	Jan. 16.	Jan. 23.	Jan. 30.	Feb. 6.	Feb. 13.	Feb. 20.	Feb. 27.	Mar. 6.	Mar. 13.	Mar. 20.	Mar. 27.
Deaths . . .	1629	1501	1490	1578	1737	1631	1426	1491	1419	1487	1519	1549	1590
Deaths under 20 years of age	770	740	716	721	724	723	670	697	647	682	721	698	703
Deaths 20—40 - - -	221	219	210	220	222	221	218	223	208	217	199	204	228
Deaths 40—60 - - -	296	217	243	268	323	276	235	268	253	279	254	268	289
Deaths at 60 years of age and upwards - - -	342	325	321	369	468	411	303	303	311	309	345	379	370
Deaths from Small-pox -	7	6	3	10	5	9	6	6	2	6	7	3	2
„ „ Measles - -	35	24	20	28	26	17	25	15	12	25	27	20	30
„ „ Scarlet Fever -	83	69	64	64	53	45	56	39	43	56	39	33	43
„ „ Diphtheria -	10	8	8	5	6	3	9	10	7	4	6	5	4
„ „ Whooping-cough	49	62	51	63	85	64	72	82	50	65	81	67	71
„ „ Fever - -	56	60	59	46	69	63	55	79	64	52	63	62	57
„ „ Diarrhœa - -	9	12	12	16	12	9	8	14	9	18	19	13	16
„ „ Phthisis - -	188	153	158	198	194	174	144	189	184	161	176	187	197
„ „ Bronchitis - -	196	213	197	249	293	275	209	171	185	196	230	244	262
„ „ Pneumonia -	98	112	100	89	100	102	84	74	78	98	90	99	103
„ „ Heart Disease -	85	64	92	81	95	81	78	77	72	60	74	74	80
Mean Temperature of the Air	41·0	45·7	40·4	36·6	40·7	49·2	47·5	45·5	40·9	39·1	35·6	36·9	38·7
Mean Temperature of the Water of the Thames -	40·5	40·3	42·9	42·0	37·6	44·9	47·0	45·0	43·3	42·2	40·8	38·8	41·0
Humidity of the Air - -	89	92	94	87	77	85	86	83	82	76	82	84	84
Rain-fall in inches - -	1·53	1·15	0·23	0·13	1·03	0·65	0·97	0·17	0·70	0·47	0·04	0·57	0·27

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of St. John (St. George-in-the-East) was not received when the Tables were under preparation, but an average of 7 is substituted for the true number, which is 5.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 27th day of March 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851–60.	Births. Registered during the Week ending 27th March.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 27th March.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4623**	**3244**	**3594**	**53·4**	**26·0**	**39·7**	**0·15**	**15**	**11·89**	**−3.33**	**4·28**	**38**
London (Metropolis)	3,170,754	40·7	2070	2177	1462	1590	50·4	29·2	38·7	0·27	27	10·22	−1·56	3·72	69
Bristol (City)	169,423	36·1	109	117	76	101 *	53·1	26·1	39·4	0·01	1	11·73	−3·27	4·11	3
Birmingham (Borough)	360,846	46·1	283	262	175	118	48·5	28·4	38·5	0·12	12	9·17	−2·00	3·61	30
Liverpool (Borough)	509,052	99·7	345	315	295	305	48·9	33·1	40·0	0·05	5	9·39	−0·62	4·44	13
Manchester (City)	370,892	82·7	277	293	210	225 *	..	..	..	..	..	..	..	..	..
Salford (Borough)	119,350	23·1	89	74	60	57	51·5	27·8	39·4	0·08	8	10·84	−2·33	4·11	20
Sheffield (Borough)	239,752	10·5	196	191	126	144	52·0	28·0	39·5	0·42	42	11·11	−2·22	4·17	107
Bradford (Borough)	138,522	21·0	105	100	71	86	51·1	28·5	40·3	0·03	3	10·62	−1·94	4·61	8
Leeds (Borough)	253,110	11·7	189	191	129	102	53·0	31·0	42·2	0·15	15	11·67	−0·56	5·67	38
Hull (Borough)	126,682	35·6	83	94	59	72	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	109	69	65	48·0	26·0	37·0	0·38	38	8·89	−3·33	2·78	97
Edinburgh (City)	178,002	40·2	112	140	86	124	49·7	31·0	41·3	0·20	20	9·83	−0·56	5·17	51
Glasgow (City)	458,937	90·6	374	374	268	403	53·4	28·7	40·3	0·09	9	11·89	−1·83	4·61	23
Dublin (City and some suburbs)	320,762	32·9	219	186	158	202	51·5	27·7	40·2	0·04	4	10·84	−2·39	4·55	10
				Week ending 20th Mar. 1869.		Week ending 20th Mar. 1869.	Week ending 20th March 1869.					Week ending 20th March 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 25th Mar. 1869.		Week ending 25th Mar. 1869.	Week ending 25th March 1869.					Week ending 25th March 1869.			
Berlin (City)	(1867) 702,437	..	..	530	..	431	..	..	39·7	..	..	..	..	4·25	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandesborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 27th March 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2177	1590	2	30	43	4	71	57	16
WEST DISTRICTS -	341	278	1	4	6	-	16	4	4
NORTH DISTRICTS -	479	326	-	3	9	2	23	15	5
CENTRAL DISTRICTS -	226	199	-	4	5	1	5	9	2
EAST DISTRICTS -	460	285	-	5	17	-	14	12	3
SOUTH DISTRICTS -	671	502	1	14	6	1	13	17	2
WEST DISTRICTS.									
St. Mary Paddington *WH*	42	21	-	1	1	-	1	1	-
St. John Paddington H	14	10	-	-	-	-	-	-	-
Kensington Town *W* -	67	36	1	-	-	-	5	1	-
Brompton H - -	12	14	-	-	1	-	1	-	-
St. Peter Hammersmith	7	3	-	-	-	-	-	1	-
St. Paul Hammersmith	16	13	-	-	-	-	1	-	-
Fulham *W* - - -	15	9	-	-	1	-	1	-	-
Chelsea South H - -	11	15	-	-	-	-	-	-	1
Chelsea North-west H *Ww*	11	18	-	-	-	-	-	-	-
Chelsea North-east -	26	10	-	1	-	-	-	-	-
Hanover Square - -	9	5	-	-	-	-	-	-	-
May Fair *W* - -	5	10	-	-	-	-	-	1	-
Belgrave H - - -	32	32	-	-	-	-	1	-	1
St. John Westminster -	31	16	-	1	1	-	2	-	-
St. Margaret West. *WH*	18	24	-	1	1	-	-	-	-
St. James's Square -	3	5	-	-	-	-	-	-	-
Golden Square *W* -	7	12	-	-	-	-	1	-	-
Berwick-street - -	5	5	-	-	-	-	-	-	-
St. Anne Soho - -	10	20	-	-	1	-	3	-	2
NORTH DISTRICTS.									
All Souls Marylebone H	14	19	-	-	-	-	1	-	-
Cavendish Square - -	8	7	-	-	-	-	1	-	-
Rectory Marylebone *W*	16	24	-	-	-	-	1	-	-
St. Mary Marylebone -	26	14	-	-	2	-	-	-	1
Christchurch Marylebone	17	11	-	-	-	-	-	-	-
St. John Marylebone -	19	7	-	-	1	-	1	-	-
Hampstead *W* - -	15	6	-	-	-	-	-	-	-
Regent's Park Pancras -	24	9	-	-	1	-	-	-	-
Tottenham-court *w*H -	16	21	-	-	1	-	2	-	-
Gray's Inn Lane H -	14	6	-	-	-	-	-	-	-
Somers Town - -	36	10	-	-	-	-	2	-	-
Camden Town *W* -	19	19	-	-	1	-	-	1	-
Kentish Town - -	44	22	-	-	1	-	-	1	-
Islington West* *WHH*	71	52	-	2	-	1	6	10	1
Islington East *Ww* -	79	49	-	-	1	1	7	2	1
Stoke Newington - -	5	1	-	-	-	-	-	-	-
Stamford Hill - -	1	1	-	-	-	-	-	-	-
West Hackney - -	17	8	-	1	-	-	-	-	1
Hackney *WHw* - -	26	27	-	-	-	-	1	1	-
South Hackney L -	12	13	-	-	1	-	1	-	1
CENTRAL DISTRICTS.									
St. George Bloomsbury -	11	9	-	-	-	-	-	-	-
St. Giles South *W* -	15	12	-	1	-	-	1	-	1
St. Giles North - -	2	10	-	-	-	-	-	-	-
Long Acre - - -	7	5	-	-	1	-	-	-	-
Charing Cross *WH* -	5	6	-	-	-	-	-	-	-
St. Mary-le-Strand -	5	3	-	-	-	-	-	1	-
St. Clement Danes H -	7	11	-	-	-	-	-	-	-
St. George-the-Martyr H	18	13	-	-	2	-	-	-	-
St. Andrew, East Holb. *W*	9	10	-	-	-	-	-	-	-
Saffron Hill - - -	4	2	-	-	-	-	-	1	-
St. James Clerkenwell *W*	22	15	-	1	-	1	-	-	1
Amwell Clerkenwell -	9	3	-	-	-	-	-	-	-
Pentonville - - -	5	4	-	-	-	-	-	-	-
Goswell-street - -	9	12	-	-	-	-	-	-	-
Old-street - - -	11	6	-	-	-	-	-	-	-
City-road HL - -	23	9	-	2	-	-	-	1	-
Whitecross-street - -	12	12	-	-	-	-	2	3	-
Finsbury - - - -	7	4	-	-	-	-	-	-	-
St. Botolph East London	11	6	-	-	-	-	-	-	-
Cripplegate - - -	11	12	-	-	1	-	-	-	-
West London North *WH*	5	14	-	-	-	-	-	-	-
West London South -	7	3	-	-	-	-	-	-	-
London City South-west	1	-	-	-	-	-	-	-	-
London City North-west	2	4	-	-	-	-	1	1	-
London City South -	-	3	-	-	-	-	1	-	-
London City South-east	1	5	-	-	-	-	-	-	-
London City North-east	7	6	-	-	1	-	-	2	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	5	3	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	7	4	-	-	-	-	1	1	-
Hoxton New Town *w* -	29	11	-	-	-	-	-	2	-
Hoxton Old Town - -	24	9	-	-	-	-	-	-	-
Haggerstone West *W* -	29	13	-	-	1	-	2	1	-
Haggerstone East - -	15	8	-	-	-	-	-	-	-
Hackney-road - -	22	6	-	-	-	-	1	-	-
Green, Bthnl. Grn. *WHL*†	24	15	-	-	1	-	1	-	1
Church, Bethnal Green -	21	7	-	-	-	-	-	-	-
Town, Bethnal Green -	13	15	-	-	-	-	1	-	-
Artillery Whitechapel -	4	2	-	-	-	-	-	-	-
Spitalfields - - -	4	10	-	-	1	-	-	-	-
Mile End New Town *W*	15	12	-	2	1	-	1	-	-
Whitechapel North -	9	3	-	-	-	-	-	-	-
Whitechapel Church H	7	10	-	-	-	-	-	1	-
Goodman's Fields - -	8	6	-	-	-	-	-	-	-
Aldgate - - - -	-	6	-	-	1	-	-	-	-
St. Mary St. Geo. East -	13	7	-	-	1	-	-	-	-
St. Paul St. Geo. East -	10	9	-	-	-	-	1	1	-
St. John St. Geo. East *W*	9	7	‡	-	-	-	-	-	-
Shadwell *W* - - -	3	6	-	-	-	-	-	1	-
Ratcliff *W* - - -	7	10	-	1	-	-	-	-	1
Limehouse *W* - -	22	16	-	-	3	-	1	1	-
Mile End Old Town, West	29	17	-	1	1	-	1	3	-
Mile End Old T., East *Ww*	44	19	-	-	2	-	2	-	-
Bow *ww*L† - - -	53	33	-	1	3	-	-	-	1
Poplar *W* - - -	34	21	-	-	2	-	2	1	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	8	10	-	-	-	-	-	-	-
St. Saviour Southwark H	11	6	-	-	-	-	-	-	-
St. Olave Southwark H	2	12	-	-	-	-	-	1	-
St. John Horsleydown *W*	6	8	-	-	-	-	-	-	-
St. James Bermondsey -	30	20	-	-	-	-	2	-	-
St. Mary Magdalen *W* -	15	13	-	-	-	-	1	-	-
Leather Market - -	12	7	-	-	-	-	-	1	-
Kent-road - -	19	8	-	-	-	-	-	-	-
Borough-road *W* - -	12	10	-	1	-	-	-	-	-
London-road L - -	10	14	-	1	-	-	-	2	-
Trinity Newington -	22	9	-	-	1	-	1	2	-
St. Peter Walworth *W*	41	35	-	-	1	-	1	1	-
St. Mary Newington H	8	13	-	-	-	-	1	-	-
Waterloo-road 1st -	6	5	-	-	-	-	-	1	-
Waterloo-road 2nd -	17	13	-	-	1	-	-	-	-
Lambeth Church 1st -	18	11	-	-	-	-	1	1	-
Lambeth Church 2nd *W*	29	43	-	10	-	1	-	2	-
Kennington 1st - -	23	22	-	-	-	-	-	-	-
Kennington 2nd - -	20	12	-	-	-	-	-	-	-
Brixton - - - -	14	4	-	-	-	-	-	-	-
Norwood *W* - - -	10	3	-	-	-	-	-	-	1
Clapham - - -	24	7	-	-	-	-	-	-	-
Battersea *Ww* - -	32	28	-	-	1	-	-	-	1
Wandsworth L - -	12	9	-	1	1	-	-	-	-
Putney - - - -	6	5	-	-	1	-	-	-	-
Streatham - - -	2	8	-	-	-	-	-	-	-
Dulwich - - -	4	-	-	-	-	-	-	-	-
Camberwell *WL*†L† -	20	14	-	-	-	-	1	1	-
Peckham - - -	29	15	-	-	-	-	1	-	-
St. George Camberwell -	28	23	-	1	-	-	3	-	-
Rotherhithe *W* - -	21	12	-	-	-	-	-	-	-
St. Paul Deptford - -	41	26	-	-	-	-	-	2	-
St. Nicholas Deptford -	6	1	-	-	-	-	-	-	-
Greenwich West H -	19	15	1	-	-	-	-	1	-
Greenwich East *WH* -	10	19	-	-	-	-	1	1	-
Eltham - - - -	1	-	-	-	-	-	-	-	-
Lee - - - -	8	3	-	-	-	-	-	-	-
Lewisham Village *W* -	12	4	-	-	-	-	-	-	-
Sydenham - - -	15	5	-	-	-	-	-	-	-
Charlton H - - -	5	4	-	-	-	-	-	-	-
Woolwich Dockyard H	9	4	-	-	-	-	-	1	-
Woolwich Arsenal H -	18	11	-	-	-	-	-	-	-
Plumstead, West - -	6	4	-	-	-	-	-	-	-
Plumstead, East - -	10	7	-	-	-	-	-	-	-

NOTE. The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - „ „ Tottenham-court sub-district.
West London - - „ „ Islington East.
East London - - „ „ Hackney sub-district.
St. Luke Middlesex - „ „ Hoxton New Town sub-district.
London City - - „ „ Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - „ „ Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ The return for the sub-district of St. John St. George-in-the-East contains *one* death from *enteric fever*.

Deaths in London, from All Causes, Registered in the Twelfth Week of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 26 1859	Mar 24 1860	Mar 23 1861	Mar 22 1862	Mar 21 1863	Mar 26 1864	Mar 25 1865	Mar 24 1866	Mar 23 1867	Mar 21 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 27, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	43°·1	43°·1	41°·3	39°·2	41°·0	40°·4	34°·0	40°·2	35°·5	44°·0	40°·5	Mean Temp. 38°·7						
	ALL CAUSES . . .	1141	1611	1214	1271	1624	1397	1634	1649	1731	1298	1457·0	1590†	603	699	225	289	297	73
	SPECIFIED CAUSES .	1130	1580	1202	1246	1612	1392	1611	1695	1675	1292	1434·5	1576	600	694	225	288	296	73
	(Classes.)																		
I.	ZYMOTIC DISEASES .	256	293	265	283	370	292	299	328	289	234	290·9	277	179	214	21	25	16	1
II.	CONSTITUTIONAL „ .	248	260	254	243	309	270	282	304	296	295	276·1	292	55	83	100	81	25	3
III.	LOCAL „ .	454	806	485	547	692	634	783	732	822	559	651·4	806	267	293	93	173	212	35
IV.	DEVELOPMENTAL „ .	121	177	166	134	171	165	196	201	214	149	169·4	153	84	84	5	..	32	32
V.	VIOLENT DEATHS . .	51	44	32	39	70	31	51	40	54	55	46·7	48	15	20	6	9	11	2
	(Orders.)																		
I.	1. Miasmatic Diseases . .	245	265	245	263	352	270	275	293	261	213	268·2	255	163	198	20	20	16	1
	2. Enthetic „ . .	3	12	5	5	5	5	8	8	7	4	6·2	9	8	8	..	1	..	..
	3. Dietic „ . .	7	12	12	14	9	14	14	25	15	14	13·6	11	6	6	1	4	..	..
	4. Parasitic „ . .	1	4	3	1	4	3	2	2	6	3	2·9	2	2	2	..	..	..	..
II.	1. Diathetic „ . .	37	37	47	40	55	42	54	54	40	50	45·6	42	2	4	7	15	13	3
	2. Tubercular „ . .	211	223	207	203	254	228	223	250	256	245	230·5	250	53	79	93	66	12	..
III.	1. Diseases of Nervous System . .	140	167	149	141	159	146	196	182	200	176	165·6	190	79	84	20	34	44	8
	2. „ of Organs of Circulation .	48	71	34	51	76	68	71	84	80	69	65·2	85	..	5	22	18	38	2
	3. „ of Respiratory Organs . .	191	485	214	270	366	320	417	380	434	222	329·9	427	174	182	29	91	100	25
	4. „ of Digestive Organs . . .	50	51	52	55	60	62	60	56	60	46	55·2	69	8	13	12	26	18	..
	5. „ of Urinary Organs . . .	11	18	20	19	22	23	21	16	33	24	20·7	22	1	4	6	3	9	..
	6. „ of Organs of Generation .	4	3	4	5	3	2	7	6	5	10	4·9	4	..	..	3	1	..	..
	7. „ of Organs of Locomotion .	3	3	2	1	2	6	7	2	6	11	4·3	3	1	1	1	..	1	..
	8. „ of Integumentary System .	7	8	10	5	4	7	4	6	4	1	5·6	6	4	4	..	..	2	..
IV.	1. Dev. Diseases of Children	34	53	46	39	50	44	38	54	69	44	47·1	35	35	35	..	..	..	..
	2. „ of Adults .	6	6	6	5	9	10	5	13	4	8	7·2	3	..	..	3	..	..	..
	3. „ of Old People	38	64	56	48	67	62	63	68	63	42	57·1	58	..	..	..	..	26	32
	4. Diseases of Nutrition .	43	54	58	42	45	49	90	66	78	55	58·0	57	49	49	2	..	6	..
V.	*1 Accident or Negligence .	42	37	24	30	62	25	41	34	52	48	39·5	41	15	20	6	6	7	2
	3. Homicide	3	1	2	3	4	4	1	2	1	3	2·4	..	..	..	..	..	..	..
	4. Suicide	6	6	6	6	4	2	9	4	1	4	4·8	6	..	..	..	3	3	..
	5. Execution	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths not classed	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..
	Sudden Deaths, cause unascertained	5	4	2	9	8	3	3	5	3	2	4·4	2	..	1	..	..	1	..
	Causes not specified . .	6	27	10	16	4	2	20	39	53	4	18·1	12†	3	4	..	1	..	..

* Order 2., comprising Violent Deaths in Battle, is omitted as inapplicable to the civil population.

† An average of 7 is added without distinction of ages. See note *, page 96.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 26 1859	Mar 24 1860	Mar 23 1861	Mar 22 1862	Mar 21 1863	Mar 26 1864	Mar 25 1865	Mar 24 1866	Mar 23 1867	Mar 21 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 27, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	46°·1	43°·1	41°·3	39°·2	41°·0	40°·4	34°·0	40°·2	35°·5	44°·0	40°·5	35°·6						
I.	ORDER 1.																		
	1. Small-pox	13	35	3	4	45	11	10	25	40	20	20·6	2	1	1 2	..	..	..	..
	2. Measles	23	22	38	18	40	44	16	48	16	31	29·6	30	29	30	..	..	..	..
	3. Scarlet Fever (Scarlatina)	63	28	34	50	76	37	34	25	25	20	39·2	43	33	43	..	..	..	..
	4. Diphtheria	14	12	10	17	12	5	12	2	9	9	10·2	4	4	4	..	..	..	..
	5. Quinsy	3	1	..	6	1	1	..	1	1	..	1·4	..	..	..	..	..	..	..
	6. Croup	10	12	15	25	19	21	14	11	16	18	16·1	10	10	10	..	..	..	..
	7. Whooping-cough	49	62	75	55	71	65	93	83	73	46	67·2	71	68	71	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	29	42	23	63	50	47	53	64	49	37	45·7	14 21 22	.. 1 5	4 8 10	4 6 3	5 6 5	1 1 4	.. .. ..
	9. Erysipelas	5	9	3	4	4	11	6	5	8	4	5·9	3	1	1	..	1	1	..
	10. Puerperal Fever (Metria)	8	1	5	1	5	9	9	1	3	3	4·5	5	..	..	5	..	..	..
	11. Carbuncle	2	2	..	..	2	..	1	..	1	..	·8	2	1	1	..	..	1	..
	12. Influenza	1	8	2	2	4	..	1	..	1	..	1·9	1	..	..	..	..	..	1
	13. Dysentery	1	3	3	1	1	1	4	6	3	2	2·5	1	..	..	..	..	1	..
	14. Diarrhœa	17	13	21	12	5	8	7	17	11	19	13·0	16	10	11	1	..	4	..
	15. Simple Cholera	..	1	..	..	1	..	1	..	1	..	·4	..	..	..	..	..	..	..
	16. Ague	1	..	1	..	1	..	..	..	1	..	·4	..	..	..	..	..	..	..
	17. Remittent Fever	1	3	3	..	5	2	1	2	..	..	1·7	..	..	..	..	..	..	..
	18. Rheumatism	5	11	9	5	10	8	13	3	3	4	7·1	10	..	3	1	3	3	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	3	7	5	4	5	5	7	7	7	4	5·4	8	8	8	..	..	..	..
	2. Stricture of Urethra	..	5	..	1	..	..	1	1	..	..	·8	1	..	..	..	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	2	1	2	3	1	..	1	1	1·1	1	..	..	..	1	..	..
	2. Want of Breast-milk	6	6	9	10	5	6	8	15	6	5	7·6	6	6	6	..	..	..	..
	3. Purpura and Scurvy	..	1	1	1	..	2	2	1	3	4	1·5	..	..	..	..	..	..	..
	4. Alcoholism (*a* Del. Tremens)	1	2	..	1	2	..	2	6	2	1	1·7	4	..	..	1	3	..	..
	4. Alcoholism (*b* Intemperance)	..	3	..	1	..	3	1	3	3	3	1·7	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	1	4	2	1	1	3	2	2	5	3	2·4	2	2	2	..	..	..	..
	2. Worms, &c.	..	..	1	..	3	..	..	..	1	..	·5	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	..	2	1	2	2	3	1	1	2	1·6	3	..	..	..	1	1	1
	2. Dropsy	17	14	16	13	12	16	16	18	12	13	14·7	7	1	2	.	1	4	..
	3. Cancer	12	20	26	20	35	20	27	30	23	33	24·6	25	..	1	7	12	5	..
	4. Cancrum Oris (Noma)	..	1	..	1	..	1	1	..	..	..	·4	1	1	1	..	..	..	..
	5. Mortification	6	2	3	5	6	3	7	5	4	2	4·3	6	..	..	..	1	3	2
	ORDER 2.																		
	1. Scrofula	9	8	5	5	17	9	14	10	5	4	8·6	6	4	5	..	1	..	..
	2. Tabes Mesenterica	14	11	14	15	18	20	22	23	18	20	17·5	17	15	17	..	..	..	..
	3. Phthisis	154	167	147	159	180	158	160	185	206	187	170·3	197	6	27	93	65	12	..
	4. Hydrocephalus	34	37	41	24	39	41	32	32	27	34	34·1	30	28	30	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	13	9	13	10	7	11	18	17	16	17	13·1	17	6	8	4	4	..	1
	2. Apoplexy	33	40	36	38	40	26	43	38	44	39	37·7	33	2	3	5	15	10	..
	3. Paralysis	20	30	20	22	23	32	35	45	42	36	30·5	36	..	..	4	7	20	5
	4. Insanity	3	3	1	2	2	..	3	..	..	2	1·6	1	..	..	1	..	..	..
	5. Chorea	..	..	..	1	..	..	..	..	1	..	·2	1	..	..	1	..	..	..
	6. Epilepsy	10	11	3	5	6	4	10	6	12	9	7·6	9	..	2	1	3	2	1
	7. Convulsions	42	52	55	42	56	43	67	53	72	55	53·7	71	69	69	2	..	..	..
	8. *Brain Disease, &c.*	19	22	21	21	25	30	20	23	13	18	21·2	22	2	2	2	5	12	1
	ORDER 2.																		
	1. Pericarditis	3	3	..	1	1	3	4	2	5	4	2·6	2	..	..	2	..	..	..
	2. Aneurism	2	3	..	..	3	3	5	1	6	1	2·4	3	..	..	..	2	1	..
	3. *Heart Disease, &c.*	43	65	34	50	72	62	62	81	69	64	60·2	80	..	5	20	16	37	2
	ORDER 3.																		
	1. Laryngitis	6	15	12	8	10	6	13	8	13	8	9·9	10	9	9	1	..	..	..
	2. Bronchitis	105	284	121	150	204	202	265	224	271	111	193·7	262	87	89	14	60	78	21
	3. Pleurisy	2	7	4	3	3	3	1	2	1	2	2·8	6	..	..	1	4	1	..
	4. Pneumonia	66	147	59	81	102	88	83	115	107	79	92·7	103	69	74	12	11	5	1
	5. Asthma	4	30	8	13	24	5	29	16	24	6	15·9	27	..	..	..	10	16	1
	6. *Lung Disease, &c.*	8	2	10	15	23	16	26	15	18	16	14·9	19	9	10	1	6	..	2
	ORDER 4.																		
	1. Gastritis	4	3	1	2	2	2	..	2	3	2	2·1	1	1	1	..	..	..	..
	2. Enteritis	5	5	8	3	8	8	7	5	5	4	5·8	9	2	2	2	1	4	..
	3. Peritonitis	3	7	5	3	7	6	4	3	4	8	5 0	8	1	2	3	..	3	..
	4. Ascites	6	3	..	1	2	3	4	4	1	..	2·4	6	1	1	1	2	2	..
	5. Ulceration of Intestines	1	4	..	2	4	1	3	..	1	1	1·7	2	..	..	1	1	..	..
	6. Hernia	3	6	4	4	2	5	3	2	8	1	3·8	1	..	..	..	1	..	..
	7. Ileus	2	..	3	4	..	1	3	5	4	2	2·4	6	1	1	1	2	2	..
	8. Intussusception	3	1	1	2	2	..	..	1	..	..	1·0	1	1	1	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism:" of "hæmorrhage" and "abscess"

in the TWELFTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Mar 26 1859	Mar 24 1860	Mar 23 1861	Mar 22 1862	Mar 21 1863	Mar 26 1864	Mar 25 1865	Mar 24 1866	Mar 23 1867	Mar 21 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, March 27, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	46°1	43°1	41°3	39°2	41°0	40°4	34°0	40°2	35°5	44°0	40°5	Mean Temp. 38°7						
	9. Stricture of Intestines	1	1	2	2	1	..	1	2	2	..	1·2	..	..	..	..	..	..	..
	10. Fistula	2	..	..	..	1	..	..	1	..	2	·6	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	8	5	10	9	6	9	6	7	11	7	7·8	10	1	3	1	5	1	..
	12. *Pancreas Disease, &c.*	1	..	..	..	..	1	..	..	1	..	·3	..	..	..	..	..	..	..
	13. Hepatitis	2	1	4	5	6	2	6	5	3	2	3·6	2	..	..	..	2	..	..
	14. Jaundice	1	3	..	1	4	8	4	5	2	6	3·4	1	..	..	..	..	1	..
	15. *Liver Disease, &c.*	7	11	13	17	15	15	19	14	15	10	13·6	21	..	1	3	12	5	..
	16. *Spleen Disease, &c.*	1	1	1	..	..	1	..	..	..	1	·5	1	..	1	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	..	3	2	1	2	3	..	1	1·2	2	..	..	1	1	..	..
	2. Ischuria	..	1	..	..	..	..	1	..	2	1	·5	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	3	8	11	9	11	11	8	9	14	12	9·6	11	1	4	2	1	4	..
	4. Diabetes	1	2	3	1	..	6	2	..	1	4	2·0	2	..	..	1	1	..	..
	5. Calculus (Stone)	1	..	1	..	2	..	1	..	..	..	·5	..	..	..	..	..	..	..
	6. Cystitis	1	..	1	1	..	1	1	..	4	2	1·1	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	5	7	4	5	7	4	6	4	12	4	5·8	6	..	..	2	..	4	..
	ORDER 6.																		
	1 Ovarian Dropsy	1	..	1	2	..	1	..	1	1	2	·9	1	..	..	1	..	..	..
	2. *Uterus Disease, &c.*	3	3	3	3	3	1	7	5	4	8	4·0	3	..	..	2	1	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	1	..	..	..	..	·1	2	..	..	1	..	1	..
	2. *Joint Disease, &c.*	3	3	2	1	2	5	7	2	6	11	4·2	1	1	1	..	..	..	..
	ORDER 8.																		
	1. Phlegmon	4	4	5	2	2	1	2	2	2	1	2·5	2	..	..	..	..	2	..
	2. Ulcer	2	1	2	1	2	2	..	2	2	..	1·4	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	1	3	3	2	..	4	2	2	..	..	1·7	4	4	4	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	19	22	16	19	25	11	17	26	39	18	21·2	18	18	18	..	..	..	..
	2. Cyanosis	..	2	..	3	2	4	1	4	5	6	2·7	..	..	..	..	..	..	..
	3. Spina Bifida	1	..	5	1	1	..	1	..	1	2	1·2	1	1	1	..	..	..	..
	4. Other Malformations	1	3	4	..	3	..	3	..	3	1	1·8	2	2	2	..	..	..	..
	5. Teething	13	26	21	16	19	29	16	24	21	17	20·2	14	14	14	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	6	6	6	5	9	10	5	12	4	8	7·1	3	..	..	3	..	..	..
	ORDER 3.																		
	1. Old Age	38	64	56	48	67	62	63	68	63	42	57·1	58	..	..	..	..	26	32
	ORDER 4.																		
	1. Atrophy and Debility	43	54	58	42	45	49	90	66	78	55	58·0	57	49	49	2	..	6	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	16	18	13	10	29	15	20	17	12	21	17·1	23	3	5	3	6	7	2
	2. Wounds	1	..	1	..	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	3. Burns and Scalds	6	10	2	4	8	3	8	7	13	7	6·8	6	5	6	..	..	..	..
	4. Poison	3	..	..	2	1	..	..	2	..	..	·8	..	..	..	..	..	..	..
	5. Drowning	6	..	6	5	8	4	2	..	3	9	4·3	3	..	1	2	..	..	..
	6. Suffocation	10	7	2	7	15	3	8	6	22	8	8·8	6	5	5	1	..	..	..
	7. Otherwise	..	2	..	2	1	..	3	2	2	3	1·5	3	2	3	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	3	1	2	3	4	4	1	2	1	3	2·4	..	..	..	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	1	..	2	..	..	..	·3	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	4	3	1	1	2	2	3	..	1	1·8	2	..	..	..	1	1	..
	2. Poison	..	1	..	2	..	..	1	..	..	..	·4	2	..	..	..	1	1	..
	3. Drowning	1	..	..	..	2	..	..	1	..	1	·5	..	..	..	..	..	..	..
	4. Hanging	3	1	1	3	..	..	4	..	1	2	1·5	2	..	..	..	1	1	..
	5. Otherwise	1	..	2	..	..	..	..	..	..	..	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..
	Sudden Deaths (Cause unascertained)	5	4	2	9	8	3	3	5	3	2	4·4	2	..	1	..	..	1	..
	Causes not specified or ill-defined	6	27	10	16	4	2	20	39	53	4	18·1	12†	3	4	..	1	..	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when he result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; z.

† An average of 7 is added without distinction of ages. See note *, page 96.

METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 27TH MARCH, 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. MONTH AND DAY.		MOON. Phases of Moon.	BAROMETER. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	READINGS OF THERMOMETERS. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	DIFFERENCE Between Dew Point Temperature and Air Temperature. Mean daily value.	DIFFERENCE Between Dew Point Temperature and Air Temperature. Greatest.	DIFFERENCE Between Dew Point Temperature and Air Temperature. Least.	DIFFERENCE Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	WIND. As deduced from Anemometers. Osler's. General Direction. A.M.	WIND. As deduced from Anemometers. Osler's. General Direction. P.M.	WIND. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	WIND. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	WIND. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	WIND. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	RAIN. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
MARCH.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
SUNDAY .	21	Greatest Dec. N. First Quarter	29·643	41·7	36·1	5·6	39·2	36·7	49·8	34·5	41·1	41·1	2·5	3·7	0·0	— 3·1	91	NNE.	NNE.	11·5	0·2	1·3	526	0·20	1
MONDAY .	22	..	29·930	47·2	34·4	12·8	39·6	32·7	89·4	31·7	40·9	38·9	6·9	11·8	1·9	— 2·6	77	NE.	NE.	13·0	0·0	1·1	474	0·00	5
TUESDAY .	23	..	30·106	42·0	32·9	9·1	36·6	30·8	56·7	28·6	41·2	39·4	5·8	8·5	0·3	— 5·6	79	NNE.&NE.	N.E.	2·5	0·0	0·4	354	0·00	1
WEDNESDAY	24	..	29·983	44·9	30·9	14·0	37·8	35·3	78·3	24·3	42·4	40·4	2·5	5·3	0·0	— 4·4	91	NNE.	NE.	1·9	0·0	0·2	297	0·00	2
THURSDAY .	25	..	29·909	50·4	36·7	13·7	42·4	36·5	107·3	32·9	43·3	41·9	5·9	10·9	1·7	+ 0·1	79	NNE & NE	NE.&NNE.	2·7	0·0	0·3	338	0·01	1
FRIDAY .	26	..	29·714	48·2	35·5	12·7	40·7	35·6	61·1	32·4	41·9	40·4	5·1	8·8	1·0	— 1·8	82	NNW.&W.	NW.&WNW.	4·6	0·0	0·1	207	0·03	0
SATURDAY .	27	Perigee Full.	29·464	42·4	29·2	13·2	34·5	30·6	93·5	24·7	41·4	40·4	3·9	7·6	0·0	— 8·4	86	N. & N.by W.	N, NNW, & W.	8·6	0·0	1·1	364	0·03	2
MEANS . .		..	29·821	45·3	33·7	11·6	38·7	34·0	76·6	29·9	41·7	40·4	4·7	8·1	0·7	— 3·7	84	NNE. & NE.		..	..	..	Sum 2560	Sum 0·27	1·7
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

DATE. MARCH.		ELECTRICITY.	SKY AND ATMOSPHERE.
SUNDAY .	21	The insulating lamp was not burning throughout the week.	Overcast. Rain fell frequently.
MONDAY .	22		Partially cloudy. A fine lunar halo seen in the evening.
TUESDAY .	23		Overcast till evening; afterwards partially clear. A little rain fell in the morning.
WEDNESDAY	24		Generally cloudy. Thin rain occasionally fell.
THURSDAY .	25		During the early morning hours rain fell; fine throughout the remainder of the day, but generally cloudy.
FRIDAY .	26		Overcast, gloomy and dull, with fog, till the afternoon; in the evening the amount of cloud was variable. Rain fell after 11h. P.M.
SATURDAY .	27		Fine, and partially cloudy throughout the morning; very variable during the remainder of the day, and snow fell thickly at times.

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·48 in. at the beginning of the week to 30·12 in. by noon on the 23d; decreased to 30·11 in. by 3h. P.M., but increased to 30·12 in. again by 9h. P.M., on the same day; then decreased to 29·46 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.



By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 13. 1869. Vol. XXX.] Week ending Saturday, April 3. [Price 1*d.*

General Register Office, Somerset House,
5th April 1869.

In the week that ended on Saturday, 3d April, 4923 births, and 3796 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 30 per 1000 persons living.

The annual rate of mortality last week was 27 per 1000 in London and 38 in Dublin; 29 in Bristol, 20 in Birmingham, 34 in Liverpool, 32 in Manchester, 30 in Salford, 33 in Sheffield, 29 in Bradford, 27 in Leeds, 27 in Hull, and 32 in Newcastle-upon-Tyne. The rate in Vienna was 34 per 1000 during the week ending the 27th ult., and in Berlin 30 per 1000 during the seven days ending the 1st instant.

In London the births of 1132 boys and 1187 girls, in all 2319 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2340.

The deaths registered in London during the week were 1670. It was the thirteenth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1630. The deaths in the present return exceed by 40 the estimated amount, and exceed by 80 the number recorded in the preceding week.

The mortality of the Metropolis has gradually increased during the last six weeks. In the week which ended 27th February the deaths were 1419, and in the five following weeks the numbers recorded were 1487, 1519, 1549, 1590, 1670. The mean temperature of the air at this period was 38·3°.

The deaths registered from bronchitis during the last six weeks were 185, 196, 230, 244, 262, 269, and from pneumonia 78, 98, 90, 99, 103, 102.

The deaths from zymotic diseases last week were 294, the corrected average number being 339. Four deaths from small-pox, 31 from measles, 44 from scarlet fever, 6 from diphtheria, 73 from whooping-cough, 20 from typhus fever, 21 from enteric fever, 16 from simple continued fever, and 19 from diarrhœa were registered.

Twenty-one deaths from scarlet fever were registered in the East districts; of these, 2 occurred in the sub-district of Haggerstone West, 2 in the sub-district of Hackney-road, 6 in the Green sub-district of Bethnal-green, 3 in the sub-district of Mile-end Old Town East, and 3 in the sub-district of Bow.

Eleven deaths from whooping-cough occurred in the West districts, 15 in the North, 13 in the Central, 15 in the East, and 19 in the South districts.

The deaths of 6 infants from syphilis, of 2 children from burns or scalds, of 3 persons from drowning, of 12 infants from suffocation, and of 6 persons who committed suicide were registered.

Four nonagenarians died during the week, and the widow of a distiller died on 28th March, at Brompton, at the age (as stated) of 101 years.

The wife of a gentleman, aged 34 years, died on 29th March, in Manchester-street, Marylebone, of "lead poisoning from paint; obstinate vomiting 5 days, syncope."

The following deaths of 4 persons killed by vehicles in the streets were recorded:—

The widow of a blacksmith, aged 70 years, run over by a van. Died on 29th March, in the Middlesex Hospital. *Post mort.* (*Inquest.*)

The son of a tailor, aged 8 years, knocked down by a cart. Died on 29th March, at 125 Holloway-road, Islington. *Post mort.* (*Inquest.*)

A labourer, aged 37 years, run over by a waggon. Died on 30th March, in the Poplar Hospital. (*Inquest.*)

A carman, aged 29 years, crushed between the pole of a van and a wall. Found to be dead on his arrival at Guy's Hospital on 31st March. *Post mort.* (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·574 in. The barometrical reading decreased from 29·77 in. on Thursday, 1st April, to 29·21 in. by the end of the week. The mean temperature of the air in the week was 39·0°, which is 5·3° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 52·7° on Wednesday, 31st March. The lowest night temperature was 29·3° on Friday, 2d April. The entire range of temperature in the week was, therefore, 23·4°. The mean of the highest temperatures of the water of the Thames was 41·°6; that of the lowest was 39·8°. The difference between the mean dew-point temperature and air temperature was 4·7°. The mean degree of humidity of the air was 83, complete saturation being represented by 100. Rain fell to the amount of 0·24 in. The general direction of the wind was N.E. and S.W. A violent gale prevailed on the morning of Monday, 29th March. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 205,854 cubic metres, and at Barking 153,426 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Thirteenth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1837	1959	1974	2124	2158	2153	2166	2107	2489	2308	2127·5	2319
Males . .	952	1018	1031	1041	1085	1072	1090	1032	1254	1170	1079·5	1132
Females . .	885	941	943	1083	1073	1081	1076	1025	1235	1138	1048·0	1187
Total Deaths	1067	1708	1236	1360	1594	1679	1676	1582	1601	1320	1482·3	1670
Males . .	603	835	618	683	807	868	841	821	824	670	757·0	838
Females . .	464	873	618	677	787	811	835	761	777	650	725·3	832

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Jan. 9.	Jan. 16.	Jan. 23.	Jan. 30.	Feb. 6.	Feb. 13	Feb. 20.	Feb. 27.	Mar. 6.	Mar. 13.	Mar. 20.	Mar. 27.	Apr. 3.
Deaths - - -	1501	1490	1578	1737	1631	1426	1491	1419	1487	1519	1549	1590	1670
Deaths under 20 years of age	740	716	721	724	723	670	697	647	682	721	698	703	786
Deaths 20—40 - - -	219	210	220	222	221	218	223	208	217	199	204	228	211
Deaths 40–60 - - -	217	243	268	323	276	235	268	253	279	254	268	289	282
Deaths at 60 years of age and upwards - - -	325	321	369	468	411	303	303	311	309	345	379	370	391
Deaths from Smallpox - -	6	3	10	5	9	6	6	2	6	7	3	2	4
,, ,, Measles - -	24	20	28	26	17	25	15	12	25	27	20	30	31
,, ,, Scarlet Fever -	69	64	64	53	45	56	39	43	56	39	33	43	44
,, ,, Diphtheria -	8	8	5	6	3	9	10	7	4	6	5	4	6
,, ,, Whooping-cough	62	51	63	85	64	72	82	50	65	81	67	71	73
,, ,, Typhus fever -	31	24	15	24	15	20	23	26	15	19	20	14	20
,, ,, Enteric fever -	19	27	22	30	36	21	37	18	26	27	26	21	21
,, ,, Simple Cont^{d} fever	10	8	9	15	12	14	19	20	11	17	16	22	16
,, ,, Diarrhœa - -	12	12	16	12	9	8	14	9	18	19	13	16	19
,, ,, Phthisis - -	153	158	198	194	174	144	189	184	161	176	187	197	179
,, ,, Bronchitis - -	213	197	249	293	275	209	171	185	196	230	244	262	269
,, ,, Pneumonia -	112	100	89	100	102	84	74	78	98	90	99	103	102
,, ,, Heart Disease -	64	92	81	95	81	78	77	72	60	74	74	80	82
Mean Temperature of the Air	45°·7	40°·4	36°·6	40°·7	49°·2	47°·5	45°·5	40°·9	39°·1	35°·6	36°·9	38°·7	39°·0
Mean Temperature of the Water of the Thames -	40·3	42·9	42·0	37·6	44·9	47·0	45·0	43·3	42·2	40·8	38·8	41·0	40·7
Humidity of the Air - -	92	94	87	77	85	86	83	82	76	82	84	84	83
Rain-fall in inches - -	1·15	0·23	0·13	1·03	0·65	0·97	0·17	0·70	0·47	0·04	0·57	0·27	0·24

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 3d day of April 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 3d April.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 3d April.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4923**	**3244**	**3796**	**54·4**	**28·0**	**39·1**	**0·53**	**54**	**12·44**	**−2·22**	**3·95**	**135**
London (Metropolis . .	3,170,754	40·7	2070	2319	1462	1670	52·7	29·3	39·0	0·24	24	11·50	−1·50	3·89	61
Bristol . . (City) .	169,423	36·1	109	123	76	93 *	51·1	30·2	38·4	0·48	48	10·62	−1·00	3·55	122
Birmingham . (Borough) .	360,846	46·1	283	244	175	141	48·0	32·1	37·9	0·81	82	8·89	0·06	3·28	206
Liverpool . . (Borough) .	509,052	99·7	345	382	295	336	53·0	32·3	39·4	0·49	49	11·67	0·17	4·11	125
Manchester . (City) .	370,892	82·7	277	304	210	226 *	52·0	32·0	39·5	0·56	57	11·11	0·00	4·17	142
Salford . . (Borough) .	119,350	23·1	89	85	60	69	51·5	30·2	39·1	0·65	66	10·84	−1·00	3·95	165
Sheffield . . (Borough) .	239,752	10·5	196	179	126	152	48·2	32·0	37·5	0·50	51	9·00	0·00	3·06	127
Bradford . . (Borough) .	138,522	21·0	105	78	71	78	51·0	32·1	39·8	0·71	72	10·56	0·06	4·34	180
Leeds . . . (Borough .	253,110	11·7	189	292	129	130	52·0	35·0	39·8	0·68	69	11·11	1·67	4·34	173
Hull . . . (Borough) .	126,682	35·6	83	90	59	66	48·0	28·0	36·9	0·43	43	8·89	−2·22	2·72	109
Newcastle-on-Tyne (Borough)	130,503	24·5	90	138	69	81	51·0	31·0	38·9	0·51	52	10·56	−0·56	3·83	130
Edinburgh . (City) .	178,002	40·2	112	130 †	86	119 †	..	..	..	..	..	..	..	..	..
Glasgow . . (City) .	458,937	90·6	374	372 †	268	401 †	..	..	..	..	..	..	..	..	..
Dublin (City and some suburbs)	320,762	32·9	219	187	158	234	54·4	32·3	42·4	0·24	24	12·44	0·17	5·78	61
				Week ending 27th Mar. 1869.		Week ending 27th Mar. 1869.	Week ending 27th March 1869.					Week ending 27th March 1869.			
Vienna . . (City) .	(1863) 560,000	..	..	..	..	369	..	..	39·7	..	..	..	..	4·25	..
				Week ending 1st April 1869.		Week ending 1st April 1869.	Week ending 1st April 1869.					Week ending 1st April 1869.			
Berlin . . (City) .	(1867) 702,437	..	..	534	..	416	..	..	42·6	..	..	..	..	5·88	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandesborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

† The returns from Edinburgh and Glasgow had not been received up to the time for going to press; averages, therefore, of the returns for recent weeks have been substituted for the correct numbers, in order to obtain totals for the 14 large towns.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 3d April, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2319	1670	4	31	44	6	73	57	19
WEST DISTRICTS -	352	250	-	5	7	2	11	6	1
NORTH DISTRICTS -	492	373	2	5	5	2	15	21	-
CENTRAL DISTRICTS	243	202	-	5	6	-	13	6	6
EAST DISTRICTS -	509	361	-	5	21	1	15	14	6
SOUTH DISTRICTS -	723	484	2	11	5	1	19	10	6
WEST DISTRICTS.									
St. Mary Paddington *WH*	49	20	-	1	-	-	-	1	-
St. John Paddington H	20	12	-	-	1	1	-	-	-
Kensington Town *W* -	67	44	-	-	1	-	5	-	-
Brompton H - -	14	12	-	-	-	-	-	-	-
St. Peter Hammersmith	3	5	-	-	-	-	-	-	-
St. Paul Hammersmith	25	20	-	-	2	-	-	2	-
Fulham *W* - - -	33	9	-	-	-	-	-	-	-
Chelsea South H - -	14	19	-	-	1	-	1	1	-
ChelseaNorth-west H*Ww*	21	15	-	-	1	-	-	-	-
Chelsea North-east -	12	9	-	-	-	-	2	1	-
Hanover Square - -	10	8	-	-	-	-	-	-	-
May Fair *W* - -	6	4	-	-	-	-	-	-	-
Belgrave H - - -	28	19	-	-	-	-	1	1	-
St. John Westminster -	20	21	-	-	1	1	2	-	-
St. Margaret West. *WH*	10	17	-	4	-	-	-	-	-
St. James's Square -	2	1	-	-	-	-	-	-	-
Golden Square *W* -	2	8	-	-	-	-	-	-	-
Berwick-street - -	4	2	-	-	-	-	-	-	-
St. Anne Soho - -	12	5	-	-	-	-	-	-	1
NORTH DISTRICTS.									
All Souls Marylebone H	20	17	-	1	1	-	-	-	-
Cavendish Square - -	6	3	-	-	-	-	1	1	-
Rectory Marylebone *W*	14	27	-	1	-	-	3	-	-
St. Mary Marylebone -	22	16	-	-	-	-	-	1	-
Christchurch Marylebone	19	16	1	-	1	-	-	1	-
St. John Marylebone -	17	16	-	-	-	1	-	-	-
Hampstead *W* - -	20	7	-	-	-	-	1	-	-
Regent's Park Pancras -	24	21	-	-	-	-	-	-	-
Tottenham-court *w*H -	15	21	-	-	-	-	-	-	-
Gray's Inn Lane H -	14	13	1	-	-	-	-	2	-
Somers Town - -	22	17	-	-	-	-	-	-	-
Camden Town *W* -	18	18	-	-	-	-	-	-	-
Kentish Town - -	56	23	-	-	-	-	-	-	-
Islington West* *WHH*	64	63	-	2	2	1	2	13	-
Islington East *Ww* -	66	39	-	-	1	-	5	1	-
Stoke Newington - -	5	2	-	-	-	-	-	-	-
Stamford Hill - -	3	2	-	-	-	-	-	1	-
West Hackney - -	22	16	-	1	-	-	2	1	-
Hackney *WHw* - -	39	21	-	-	-	-	-	-	-
South Hackney L -	26	15	-	-	-	-	1	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	12	3	-	-	-	-	2	-	-
St. Giles South *W* -	17	20	-	-	1	-	1	-	1
St. Giles North - -	11	14	-	-	-	-	1	-	-
Long Acre - - -	7	5	-	1	-	-	-	-	-
Charing Cross *WH* -	6	11	-	-	-	-	-	-	-
St. Mary le Strand -	3	4	-	-	-	-	-	-	-
St. Clement Danes H -	3	13	-	-	-	-	-	1	1
St. George-the-Martyr H	13	10	-	-	-	-	2	-	-
St. Andrew, East Holb. *W*	4	16	-	-	-	-	-	-	1
Saffron Hill - - -	8	6	-	1	-	-	-	-	-
St. James Clerkenwell *W*	28	11	-	-	1	-	-	1	-
Amwell Clerkenwell -	6	5	-	-	-	-	-	-	-
Pentonville - - -	12	6	-	-	-	-	1	-	-
Goswell street - -	12	5	-	-	-	-	-	-	-
Old-street - - -	16	10	-	1	1	-	-	1	-
City-road HL - -	27	5	-	-	1	-	1	-	-
Whitecross street - -	8	11	-	1	-	-	1	-	-
Finsbury - - -	9	7	-	-	-	-	1	-	2
St. Botolph East London	5	14	-	1	1	-	-	2	1
Cripplegate - - -	12	2	-	-	-	-	2	-	-
West London North *WH*	4	9	-	-	1	-	-	-	-
West London South -	8	7	-	-	-	-	1	-	-
London City South-west	1	1	-	-	-	-	-	-	-
London City North-west	4	2	-	-	-	-	-	-	-
London City South -	2	-	-	-	-	-	-	-	-
London City South-east	2	1	-	-	-	-	-	-	-
London City North-east	3	4	-	-	-	-	-	1	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	10	8	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	8	19	-	-	-	-	2	-	-
Hoxton New Town *w* -	34	16	-	-	-	-	-	-	1
Hoxton Old Town - -	19	13	-	-	-	-	1	-	-
Haggerstone West *W* -	17	15	-	-	2	-	-	1	-
Haggerstone East - -	14	2	-	-	-	-	-	-	-
Hackney-road - -	31	17	-	-	2	-	3	2	-
Green, Bthnl.Grn. *W*HL†	33	31	-	-	6	-	2	-	2
Church, Bethnal Green	15	5	-	-	-	-	-	-	-
Town, Bethnal Green -	27	12	-	-	1	-	-	1	1
Artillery Whitechapel -	3	3	-	-	-	-	-	-	-
Spitalfields - - -	9	4	-	-	-	-	1	-	-
Mile End New Town *W*	12	17	-	1	1	-	-	-	-
Whitechapel North -	3	5	-	1	-	-	-	-	-
Whitechapel Church H	3	12	-	-	-	-	-	1	-
Goodman's Fields - -	11	4	-	-	-	-	-	1	-
Aldgate - - - -	2	3	-	-	-	-	-	-	-
St. Mary St. Geo. East -	19	12	-	-	-	-	-	3	-
St. Paul St. Geo. East -	18	9	-	-	-	-	-	-	-
St. John St. Geo. East *W*	6	10	-	-	-	-	1	-	-
Shadwell *W* - - -	6	8	-	-	-	-	1	-	-
Ratcliff *W* - - -	5	9	-	-	1	-	1	-	-
Limehouse *W* - -	25	13	-	-	1	-	-	-	1
Mile End Old Town, West	32	21	-	1	-	-	-	1	-
Mile End Old T., East *Ww*	48	33	-	1	3	-	-	1	1
Bow *ww*L† - - -	65	34	-	1	3	-	-	2	-
Poplar *W* - - -	34	26	-	-	1	1	3	1	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	10	7	-	2	-	-	-	-	1
St. Saviour Southwark H	13	9	-	1	-	-	1	-	-
St. Olave Southwark H	3	18	-	-	-	-	-	-	-
St. John Horsleydown *W*	4	10	-	-	-	-	-	-	-
St. James Bermondsey -	36	18	-	-	-	-	1	-	-
St. Mary Magdalen *W*	11	9	-	-	-	-	-	-	-
Leather Market - -	17	2	-	-	-	-	1	-	-
Kent-road - - -	14	7	-	-	-	-	-	-	-
Borough-road *W* - -	15	19	-	-	-	-	-	-	-
London-road L - -	12	11	-	1	-	-	-	-	-
Trinity Newington -	18	16	-	-	-	-	1	-	1
St. Peter Walworth *W*	41	32	-	2	-	-	-	1	-
St. Mary Newington H -	13	14	-	2	-	-	1	-	-
Waterloo-road 1st - -	10	4	-	-	-	-	1	-	-
Waterloo-road 2nd -	27	8	-	-	-	-	-	-	1
Lambeth Church 1st -	23	15	-	1	1	-	2	-	-
Lambeth Church 2nd *W*	28	30	-	-	1	-	3	-	1
Kennington 1st - -	33	24	1	-	-	1	-	-	-
Kennington 2nd - -	24	5	-	-	-	-	1	-	-
Brixton - - - -	20	14	-	-	1	-	-	1	-
Norwood *W* - - -	13	4	-	-	-	-	-	-	-
Clapham - - -	15	12	-	-	-	-	1	1	-
Battersea *Ww* - -	32	22	-	1	-	-	-	-	-
Wandsworth L - -	8	10	-	1	-	-	-	-	-
Putney - - - -	7	1	-	-	-	-	-	-	-
Streatham - - -	4	4	-	-	-	-	-	-	-
Dulwich - - -	2	-	-	-	-	-	-	-	-
Camberwell *WL*†L† -	27	21	-	-	-	-	1	-	-
Peckham - - -	29	12	-	-	-	-	-	-	1
St. George Camberwell -	29	16	-	-	-	-	1	1	-
Rotherhithe *W* - -	21	10	-	-	2	-	-	-	-
St. Paul Deptford - -	38	20	1	-	-	-	-	3	-
St. Nicholas Deptford -	6	4	-	-	-	-	-	-	-
Greenwich West H -	17	13	-	-	-	-	-	1	-
Greenwich East *WH* -	17	19	-	-	-	-	2	1	-
Eltham - - - -	3	-	-	-	-	-	-	-	-
Lee - - - -	7	2	-	-	-	-	-	-	-
Lewisham Village *W* -	7	3	-	-	-	-	-	-	-
Sydenham - - -	8	6	-	-	-	-	-	1	-
Charlton H - - -	11	3	-	-	-	-	-	-	-
Woolwich Dockyard H	10	6	-	-	-	-	1	-	-
Woolwich Arsenal H -	19	14	-	-	-	-	1	-	-
Plumstead, West - -	11	5	-	-	-	-	-	-	1
Plumstead, East - -	10	5	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the THIRTEENH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 2 1859	Mar 31 1860	Mar 30 1861	Mar 29 1862	Mar 28 1863	Apr. 2 1864	Apr. 1 1865	Mar 31 1866	Mar 30 1867	Mar 28 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 3, 1869. Deaths of Persons of the Ages ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	42°·6	45°·3	46°·2	47°·9	48°·0	41°·0	37°·6	49°·8	46°·6	42°·7	44°·8	Mean Temp 39°·0						
	ALL CAUSES . . .	1067	1708	1236	1360	1594	1679	1676	1582	1601	1320	1482·3	1670	678	786	211	282	318	73
	SPECIFIED CAUSES .	1059	1692	1223	1353	1576	1663	1670	1548	1550	1306	1464·0	1663	674	782	210	281	317	73
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	236	313	273	306	397	356	342	337	270	252	308·2	294	190	229	33	19	13	..
II.	CONSTITUTIONAL „ .	209	304	267	277	295	337	287	299	323	294	289·2	300	73	97	98	73	31	1
III.	LOCAL „ .	453	826	488	578	670	730	786	678	724	595	652·8	834	299	339	65	178	222	30
IV.	DEVELOPMENTAL „ .	112	191	148	155	157	183	190	177	187	124	162·4	192	99	99	2	3	47	41
V.	VIOLENT DEATHS . .	49	58	47	37	57	57	65	57	46	41	51·4	43	13	18	12	8	4	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	222	284	251	290	371	335	307	309	241	228	283·8	276	173	212	32	19	13	..
	2. ENTHETIC „ . .	6	9	10	2	7	3	14	5	13	9	7·8	6	6	6	..	..	..	..
	3. DIETIC „ . .	7	17	8	12	17	18	19	16	14	13	14·1	12	11	11	1	..	..	..
	4. PARASITIC „ . .	1	3	4	2	2	..	2	7	2	2	2·5	..	..	..	..	..	..	..
II.	1. DIATHETIC „ . .	34	48	45	54	54	66	52	44	44	52	49·3	58	4	5	10	20	22	1
	2. TUBERCULAR „ . .	175	256	222	223	241	271	235	255	279	242	239·9	242	69	92	88	53	9	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	130	166	150	156	178	177	194	198	180	172	170·1	232	107	120	17	40	49	6
	2. „ OF ORGANS OF CIRCULATION .	53	85	58	54	64	79	90	72	68	77	70·0	86	..	8	12	33	30	3
	3. „ OF RESPIRATORY ORGANS . .	190	476	210	273	315	390	417	327	387	253	323·8	414	179	187	18	73	117	19
	4. „ OF DIGESTIVE ORGANS . .	50	64	41	58	70	47	46	41	51	55	52·3	61	10	15	11	16	17	2
	5. „ OF URINARY ORGANS . . .	16	18	17	27	27	27	24	28	22	23	22·9	22	1	3	2	10	7	..
	6. „ OF ORGANS OF GENERATION .	2	4	4	6	4	3	1	8	4	6	4·2	5	..	..	3	1	1	..
	7. „ OF ORGANS OF LOCOMOTION .	4	3	3	2	8	2	7	2	7	4	4·2	7	..	2	2	3	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	8	10	5	2	4	5	7	2	5	5	5·3	7	2	4	..	2	1	..
IV.	1. DEV. DISEASES OF CHILDREN	43	65	45	46	49	51	43	48	42	38	47·0	51	51	51	..	..	..	..
	2. „ OF ADULTS . .	3	8	4	5	5	10	5	9	8	2	5·9	3	..	..	2	1	..	..
	3. „ OF OLD PEOPLE	31	74	47	53	61	54	70	53	74	33	55·0	76	..	..	..	..	35	41
	4. DISEASES OF NUTRITION .	35	44	52	51	42	68	72	67	63	51	54·5	62	48	48	..	2	12	..
V.	1. ACCIDENT OR NEGLIGENCE .	40	47	38	30	50	46	57	50	42	35	43·5	36	13	18	8	5	4	1
*	3. HOMICIDE	1	5	2	2	..	5	1	4	1	2	2·3	1	..	..	..	1	..	..
	4. SUICIDE	8	6	7	5	7	6	7	3	3	4	5·6	6	..	..	4	2	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	4	4	2	3	5	3	1	2	1	2	2·7	2	1	1	..	1	..	..
	CAUSES NOT SPECIFIED . .	4	12	11	4	13	13	5	32	50	12	15·6	5	3	3	1	..	1	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 2 1859	Mar 31 1860	Mar 30 1861	Mar 29 1862	Mar 28 1863	Apr. 2 1864	Apr. 1 1865	Mar 31 1866	Mar 30 1867	Mar 28 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 3, 1869. Deaths of Persons of the Ages: ALL AGES.	Mean Temp.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	42°6	45°3	46°2	47°9	48°0	41°0	37°6	49°8	46°6	42°7	44°8	39°0							
I.	ORDER 1.																			
	1. Small-pox	15	35	5	6	34	13	15	16	38	22	19·9	4		2	4	..	..	..	..
	2. Measles	26	25	30	25	57	55	9	40	21	39	32·7	31		29	31	..	..	..	..
	3. Scarlet Fever (Scarlatina)	56	49	22	43	65	47	34	30	18	23	38·7	44		33	43	..	1	..	..
	4. Diphtheria	13	11	8	21	12	6	11	10	8	7	10·7	6		5	5	1	..	..	..
	5. Quinsy	3	1	1	2	3	..	2	5	1	..	1·8	..		..	..	..	..	..	..
	6. Croup	8	6	22	22	26	19	27	18	20	18	18·6	12		9	12	..	..	..	..
	7. Whooping-cough	36	72	104	48	74	79	102	76	67	52	71·0	73		71	73	..	..	..	..
	8. Typhus												20		..	2	8	8	2	..
	— Enteric Fever	32	40	24	89	55	66	56	71	42	33	50·8	21		3	12	7	1	1	..
	— Simple continued Fever												16		3	9	2	3	2	..
	9. Erysipelas	6	8	6	9	12	8	11	5	3	7	7·5	10		3	4	2	4	..	..
	10. Puerperal Fever (Metria)	3	4	1	10	6	6	8	6	3	2	4·9	6		..	..	6	..	..	..
	11. Carbuncle	3	..	2	1	..	..	1	2	1	1	1·1	2		..	..	1	..	1	..
	12. Influenza	2	8	..	..	1	1	4	1	..	..	1·7	1		..	..	..	..	1	..
	13. Dysentery	2	1	2	..	2	..	..	3	..	2	1·2	1		..	..	..	1	..	..
	14. Diarrhœa	6	16	12	8	8	17	16	18	12	14	12·7	19		15	15	2	1	1	..
	15. Simple Cholera	1	..	..	..	1	..	..	..	..	..	·2	..		..	..	..	..	..	..
	16. Ague	..	..	1	..	1	1	..	..	1	..	·4	..		..	..	..	..	..	..
	17. Remittent fever	2	1	3	..	3	2	..	1	..	..	1·2	..		..	..	..	..	..	..
	18. Rheumatism	8	7	8	6	11	15	11	5	6	8	8·5	10		..	2	3	..	5	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	2	..	..	·2	..		..	..	..	..	..	..
	ORDER 2.																			
	1. Syphilis	5	9	8	1	7	1	10	2	12	8	6·3	6		6	6	..	..	..	..
	2. Stricture of Urethra	1	..	..	1	..	2	4	3	1	1	1·3	..		..	..	..	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..
	4. Glanders	..	..	2	..	..	..	..	..	..	..	·2	..		..	..	..	..	..	..
	ORDER 3.																			
	1. Privation	..	1	..	2	1	2	..	2	2	..	1·0	1		1	1	..	..	..	..
	2. Want of Breast-milk	2	13	6	6	8	9	8	8	5	8	7·3	9		9	9	..	..	..	..
	3. Purpura and Scurvy	..	..	..	3	2	3	5	1	6	1	2·1	1		1	1	..	..	..	..
	4. Alcoholism *a* Del. Tremens	3	1	..	1	1	2	5	4	..	4	2·1	1		..	..	1	..	..	..
	4. Alcoholism *b* Intemperance	2	2	2	..	5	2	1	1	1	..	1·6	..		..	..	..	..	..	..
	ORDER 4.																			
	1. Thrush	1	3	4	1	2	..	2	5	2	2	2·2	..		..	..	..	..	..	..
	2. Worms, &c.	..	..	..	1	..	..	..	2	..	..	·3	..		..	..	..	..	..	..
II.	ORDER 1.																			
	1. Gout	1	3	1	2	..	2	5	2	3	4	2·3	2		..	..	..	1	1	..
	2. Dropsy	12	16	15	15	18	20	20	12	11	11	15·0	17		4	4	2	4	7	..
	3. Cancer	15	23	28	28	30	38	23	19	26	34	26·4	37		..	1	8	14	13	1
	4. Cancrum Oris (Noma)	1	1	..	1	1	..	..	1	1	1	·7	..		..	..	..	..	..	..
	5. Mortification	5	5	1	8	5	6	4	10	3	2	4·9	2		..	..	..	1	1	..
	ORDER 2.																			
	1. Scrofula	10	6	20	13	14	5	7	15	9	7	10·6	8		4	4	3	1	..	..
	2. Tabes Mesenterica	9	8	21	17	13	11	24	22	21	16	16·2	20		20	20	..	..	..	..
	3. Phthisis	133	202	145	163	171	214	167	175	199	172	174·1	179		13	33	85	52	9	..
	4. Hydrocephalus	23	40	36	30	43	41	37	43	50	47	39·0	35		32	35	..	..	..	..
III.	ORDER 1.																			
	1. Cephalitis	13	17	11	15	20	12	20	17	9	16	15·0	23		13	17	2	2	2	..
	2. Apoplexy	33	25	37	33	29	33	52	34	44	42	36·2	33		1	3	5	11	13	1
	3. Paralysis	22	36	26	28	34	31	28	48	34	33	32·0	36		..	3	2	9	19	3
	4. Insanity	3	..	3	2	..	2	1	3	3	3	2·0	7		..	..	..	3	4	..
	5. Chorea	..	..	..	..	..	..	..	1	..	..	·1	1		..	1	..	..	..	..
	6. Epilepsy	3	7	4	9	8	7	11	8	11	6	7·4	10		1	2	5	2	1	..
	7. Convulsions	33	58	50	50	61	69	66	65	54	54	56·0	93		90	91	1	1	..	..
	8. *Brain Disease, &c.*	23	23	19	19	26	23	16	22	25	18	21·4	29		2	3	2	12	10	2
	ORDER 2.																			
	1. Pericarditis	2	3	4	2	2	1	1	5	4	5	2·9	3		..	1	..	2	..	..
	2. Aneurism	2	4	3	1	4	5	3	3	4	3	3·2	1		..	..	..	1	..	..
	3. *Heart Disease, &c.*	49	78	51	51	58	73	86	64	60	69	63·9	82		..	7	12	30	30	3
	ORDER 3.																			
	1. Laryngitis	8	13	8	11	14	9	17	15	11	7	11·3	11		10	10	1	..	..	..
	2. Bronchitis	98	272	124	152	176	215	243	197	224	153	185·4	269		88	91	7	57	96	18
	3. Pleurisy	3	2	2	3	2	6	4	2	6	3	3·3	..		..	..	..	..	..	..
	4. Pneumonia	74	162	59	90	92	122	118	85	99	70	97·1	102		73	77	5	9	11	..
	5. Asthma	6	16	9	9	16	19	19	15	28	10	14·7	17		..	..	3	5	8	1
	6. *Lung Disease, &c.*	1	11	8	8	15	19	16	13	19	10	12·0	15		8	9	2	2	2	..
	ORDER 4.																			
	1. Gastritis	2	3	2	2	1	3	..	1	3	1	1·8	..		..	..	..	..	..	..
	2. Enteritis	6	2	5	5	6	3	7	3	9	2	4·8	11		3	6	2	..	3	..
	3. Peritonitis	3	4	2	4	6	1	1	3	1	1	2·6	5		..	1	2	2	..	..
	4. Ascites	4	4	6	5	5	3	2	1	1	2	3·3	2		..	..	..	..	2	..
	5. Ulceration of Intestines	5	3	3	5	2	4	3	2	4	1	3·2	4		1	1	2	1	..	..
	6. Hernia	3	5	2	1	3	2	3	2	1	5	2·7	4		..	..	..	1	3	..
	7. Ileus	2	6	3	5	3	2	1	..	1	5	2·8	4		2	3	..	..	1	..
	8. Intussusception	1	1	..	1	2	..	1	2	..	1	·9	1		..	..	1	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism" of "hæmorrhage" and "abscess"

in the THIRTEENTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 2 1859	Mar 31 1860	Mar 30 1861	Mar 29 1862	Mar 28 1863	Apr. 2 1864	Apr. 1 1865	Mar 31 1866	Mar 30 1867	Mar 28 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 3, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	42°·6	45°·3	46°·2	47°·9	48°·0	41°·0	37°·6	49°·8	46°·6	42°·7	44°·8	Mean Temp. 39°·0						
	9. Stricture of Intestines	1	..	..	..	1	..	1	..	..	2	·5	1	..	..	..	1	..	..
	10. Fistula	..	..	..	..	..	..	..	2	1	..	·3	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	4	5	3	8	13	9	5	4	4	5	6·0	7	2	2	..	3	2	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	13. Hepatitis	3	5	1	3	8	5	2	7	..	4	3·8	6	..	..	..	3	3	..
	14. Jaundice	2	6	4	3	3	2	6	2	4	5	3·7	2	2	2	..	..	..	..
	15. *Liver Disease, &c.*	14	20	10	13	17	12	14	10	22	20	15·2	14	..	..	4	5	3	2
	16. *Spleen Disease, &c.*	..	..	..	3	..	1	..	2	..	..	·6	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	2	1	2	3	1	2	..	2	1·3	1	..	..	..	..	1	..
	2. Ischuria	..	..	1	..	1	1	1	..	2	..	·6	1	..	..	..	1	..	..
	3. Bright's disease (Nephria)	4	7	4	12	11	11	9	11	12	7	8·8	10	..	1	2	6	1	..
	4. Diabetes	..	2	2	1	3	..	2	3	3	5	2·1	1	..	..	..	1	..	..
	5. Calculus (Stone)	2	..	1	2	..	1	1	1	..	..	·8	..	..	..	..	..	..	..
	6. Cystitis	..	2	..	1	..	2	..	3	..	2	1·0	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	10	7	7	10	10	9	10	8	5	7	8·3	8	1	2	..	2	4	..
	ORDER 6.																		
	1. Ovarian Dropsy	..	1	1	1	2	1	..	..	1	2	·9	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	2	3	3	5	2	2	1	8	3	4	3·3	5	..	..	3	1	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	2	..	..	1	..	..	..	..	..	·3	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	4	1	3	2	7	2	7	2	7	4	3·9	7	..	2	2	3	..	..
	ORDER 8.																		
	1. Phlegmon	6	6	2	..	2	4	5	2	4	2	3·3	6	1	3	..	2	1	..
	2. Ulcer	2	1	3	1	2	1	2	..	1	1	1·4	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	..	3	..	1	..	..	..	..	..	2	·6	1	1	1	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	16	28	25	16	20	21	14	20	22	17	19·9	19	19	19	..	..	..	..
	2. Cyanosis	1	5	2	4	5	3	5	4	..	6	3·5	3	3	3	..	..	..	..
	3. Spina Bifida	2	2	1	..	2	4	3	1	..	..	1·5	..	..	..	..	..	..	..
	4. Other Malformations	1	3	1	4	..	3	2	2	..	1	1·7	2	2	2	..	..	..	..
	5. Teething	23	27	16	22	22	20	19	21	20	14	20·4	27	27	27	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	1	..	..	..	..	..	2	1	..	·4	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	7	4	5	5	10	5	7	7	2	5·5	3	..	..	2	1	..	..
	ORDER 3.																		
	1. Old Age	31	74	47	53	61	54	70	53	74	33	55·0	76	..	..	..	..	35	41
	ORDER 4.																		
	1. Atrophy and Debility	35	44	52	51	42	68	72	67	63	51	54·5	62	48	48	..	2	12	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	12	17	19	14	15	16	21	23	20	15	17·2	16	..	3	5	4	3	1
	2. Wounds	1	2	1	..	..	..	..	2	1	..	·7	..	..	..	..	..	..	..
	3. Burns and Scalds	13	13	5	5	9	16	10	6	6	4	8·7	2	1	2	..	..	..	..
	4. Poison	2	..	..	..	2	..	2	..	2	..	·8	1	..	..	1	..	..	..
	5. Drowning	3	2	3	..	9	6	6	5	2	4	4·0	3	..	..	2	..	1	..
	6. Suffocation	8	9	6	8	14	7	12	11	10	8	9·3	12	12	12	..	..	..	..
	7. Otherwise	1	4	4	3	1	1	6	3	1	4	2·8	2	..	1	..	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	1	5	2	2	..	5	1	4	1	2	2·3	1	..	..	..	1	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	2	..	1	1	..	..	1	..	..	..	·5	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	3	2	..	..	3	..	4	..	2	2	1·6	1	..	..	1	..	..	..
	2. Poison	1	1	1	1	..	..	..	..	..	..	·4	1	..	..	1	..	..	..
	3. Drowning	..	..	3	1	..	..	1	1	1	1	·8	1	..	..	..	1	..	..
	4. Hanging	2	3	2	2	3	6	..	..	..	..	1·8	3	..	..	2	1	..	..
	5. Otherwise	..	..	..	..	1	..	1	2	..	1	·5	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	4	4	2	3	5	3	1	2	1	2	2·7	2	1	1	..	1	..	..
	Causes not specified or ill-defined	4	12	11	4	13	13	5	32	50	12	15·6	5	3	3	1	..	1	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 3D APRIL 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.	Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
March.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . . 28	In Equator	29·424	45·0	31·8	13·2	35·9	31·9	105·1	27·6	41·4	39·4	4·0	7·0	0·0	— 7·3	85	NW, N, & NE.	SE, ENE, & NNE.	6·0	0·0	0·5	320	0·03	5
Monday. . 29	..	29·603	42·4	32·5	9·9	36·2	32·3	85·3	30·2	41·9	40·4	3·9	7·9	0·0	— 7·4	86	NNE.	ENE.	30·+	0·0	3·6	551	0·06	7
Tuesday . 30	..	29·711	45·3	32·0	13·3	37·7	33·2	78·6	27·6	41·4	39·4	4·5	11·4	0·0	— 6·3	84	NE.	NNE.	19·7	0·0	1·4	504	0·00	4
Wednesday 31	..	29·665	52·7	34·2	18·5	41·1	36·7	71·5	31·5	41·4	39·4	4·4	13·4	0·0	— 3·3	84	NNE.	NNE.	2·8	0·0	0·7	406	0·02	1
April.																								
Thursday. 1	..	29·760	50·4	33·6	16·8	39·4	33·4	86·3	27·3	41·4	39·4	6·0	13·4	0·3	— 5·2	79	NE.	NE. & SE.	1·0	0·0	0·2	252	0·00	5
Friday . . 2	..	29·572	51·9	29·3	22·6	41·4	37·3	94·3	24·2	41·9	39·9	4·1	13·0	0·0	— 3·4	85	SSW & SW.	SW.	3·1	0·0	0·7	352	0·01	2
Saturday. 3	Greatest Dec. S. Last Quarter	29·284	48·3	37·4	10·9	41·0	35·1	78·1	34·3	42·0	40·4	5·9	12·2	1·2	— 4·0	79	SW. & WSW.	Variable	7·5	0·0	0·7	309	0·12	4
Means . .	..	29·574	48·0	33·0	15·0	39·0	34·3	85·6	29·0	41·6	39·8	4·7	11·2	0·2	— 5·3	83	NE. & SW.		..	..	..	Sum 2694	Sum 0·24	4·0
No. of Columns	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

DATE. March.		ELECTRICITY.	SKY AND ATMOSPHERE.
Sunday .	28	The insulating lamp was not burning.	Generally cloudy. Snow fell in the early morning hours and also at night.
Monday .	29		Very variable. In the morning a violent gale prevailed, and rain fell frequently; fine in the afternoon and evening; cloudless at night.
Tuesday .	30		Generally cloudy.
Wednesday	31		Generally overcast till the evening; cloudless afterwards. Rain fell in the morning.
April.			
Thursday .	1		Generally cloudy.
Friday .	2		Fine in the morning and light clouds prevailed; overcast afterwards; at night thin rain fell.
Saturday .	3		Generally cloudy. Rain fell frequently.

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·46 in. at the beginning of the week to 29·33 in. by 9h. A.M. on the 28th; increased to 29·61 in. by 9h. P.M. on the same day; decreased to 29·52 in. by 9h. A.M. on the 29th; increased to 29·76 in. by 9h. A.M. on the 30th; decreased to 29·64 in. by 3h. P.M. on the 31st of March; increased to 29·77 in. by noon on the 1st of April; was nearly stationary till after 9h. P.M. on the same day; decreased to 29·21 in. by the end of the week.

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WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 14. 1869. Vol. XXX.] Week ending Saturday, April 10. [Price 1*d.*

General Register Office, Somerset House,
12th April 1869.

In the week that ended on Saturday, 10th April, 4482 births, and 3376 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 27 per 1000 persons living.

The annual rate of mortality last week was 26 per 1000 in London, 28 in Edinburgh, and 25 in Dublin; 27 in Bristol, 20 in Birmingham, 30 in Liverpool, 28 in Manchester, 24 in Salford, 27 in Sheffield, 30 in Bradford, 26 in Leeds, 29 in Hull, 29 in Newcastle-upon-Tyne, and 37 in Glasgow. The rate in Vienna was 30 per 1000 during the week ending the 3d inst., and in Berlin 18 per 1000 during the seven days ending the 8th instant.

In London the births of 1133 boys and 1092 girls, in all 2225 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2278.

The deaths registered in London during the week were 1550. It was the fourteenth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1560. The deaths in the present return approximate closely to the estimated amount. The deaths of males were less by 9, and the deaths of females were less by 111, than in the preceding week.

The deaths from zymotic diseases were 284, the corrected average number being 321. Four deaths from small-pox, 34 from measles, 39 from scarlet fever, 5 from diphtheria, 85 from whooping-cough, 17 from typhus fever, 19 from enteric fever, 12 from simple continued fever, and 12 from diarrhœa were registered.

The widow of a baker, aged 66 years, died on 8th April, at 30 Underwood-street, Whitechapel, of "choleraic diarrhœa (4 days)."

Seventeen deaths from measles were recorded in the South districts; of these 4 occurred in the Workhouse, Christchurch Southwark.

Four deaths from whooping-cough were registered in the sub-district of Kensington Town, 4 in the sub-district of Kentish Town, 4 in the sub-district of Islington West, 3 in the sub-district of South Hackney, 3 in the Church sub-district of Bethnal-green, and 7 in the sub-district of Bow.

A comparison of the deaths from fever with those recorded in the preceding week shows a decrease of 9 on the total number, a decrease of 3 deaths from typhus fever, a decrease of 2 deaths from enteric fever, and a decrease of 4 deaths from simple continued fever.

One hundred and ninety-five deaths occurred from phthisis, 249 from bronchitis, and 104 from pneumonia. The corrected average number of deaths from phthisis is 192, from bronchitis 187, and from pneumonia 100.

The deaths of 5 persons from alcoholism, of 8 infants from syphilis, of 4 children and one adult from burns or scalds, of 4 persons from drowning, of 5 infants and one adult from suffocation, and of 3 persons who committed suicide were registered.

A female, aged 75 years, died in the Workhouse, St. Margaret Westminster, from "opium eating."

Thirteen nonagenarians died during the week.

The following deaths of 3 persons killed by vehicles in the streets were recorded:—

A solicitor, aged 40 years, "fracture of skull, run over by a cart." Died on 6th April in the Royal Free Hospital. *Post mort.*

The son of a cap-maker, aged 2 years, run over by a waggon. Died on 31st March in Great Earl-street, St. Giles. *Post mort.* (*Inquest.*)

The daughter of a traveller, aged 3 years, "run over by a van." Died on 5th April in the London Hospital. (*Inquest.*)

The expected number of deaths by horses or vehicles in the streets is 54 in 14 weeks; the actual numbers registered in the 14 weeks of this year amount to

53. Six persons were killed by horses, 2 by carriages, 3 by omnibuses, 5 by cabs, 17 by vans or waggons, and 20 by carts.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·850 in. The barometrical reading increased from 29·21 in. at the beginning of the week, to 30·02 in. on Monday, 5th April. The mean temperature of the air in the week was 47·1°, which is 1·8° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 68·3° on Saturday, 10th April. The lowest night temperature was 34·3° on Monday, 5th April. The entire range of temperature in the week was, therefore, 34·0°. The mean of the highest temperatures of the water of the Thames was 45·3°; that of the lowest was 42·3°. The difference between the mean dew-point temperature and air temperature was 3·6°. The mean degree of humidity of the air was 88, complete saturation being represented by 100. Rain fell to the amount of 0·17 in. The general direction of the wind was variable. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness, was 187,941 cubic metres, and at Barking 135,481 cubic metres, equivalent to about as many tons by weight.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of March 1869: thus, according to their account, 94,584,402 gallons or 429,740 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 93·0 decalitres, rather less than a *ton* by weight, to each house, and 13·1 decalitres (= 28·9 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of March, it may be estimated that about 77,733,554 gallons were probably used for domestic purposes, or about 23·7 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	February 1869.	March 1869.	February 1869.	March 1869.
Total Supply . . .	461,561	462,097	92,323,860	94,584,402
From Thames	210,487	210,935	48,271,799	48,738,483
From Lea and from other Sources . .	251,074	251,162	44,052,061	45,845,919
Thames.				
Chelsea	27,083	27,083	7,678,200	8,306,300
West Middlesex	39,131	39,242	7,678,005	7,507,928
Southwark and Vauxhall . . .	72,292	72,335	13,638,569	13,649,260
Grand Junction	29,923	30,021	9,732,125	9,635,895
Lambeth	42,058	42,254	9,544,900	9,639,100
Lea and other Sources.				
New River	115,638	115,726	20,183,000	21,962,000
East London	97,971	97,971	17,593,835	17,750,000
Kent	37,465	37,465	6,275,226	6,133,919

Note.—The Return for March as compared with that for February shows an increase of 536 houses, and an increase of 2,260,542 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Fourteenth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1837	1593	2000	2095	1972	2013	2208	2274	2340	2375	2070·7	2225
Males . .	923	838	1012	1085	955	1018	1113	1175	1158	1192	1046·9	1133
Females .	914	755	988	1010	1017	995	1095	1099	1182	1183	1023·8	1092
Total Deaths	1201	1439	1220	1299	1475	1501	1680	1574	1453	1346	1418·8	1550
Males . .	621	694	627	674	795	768	857	809	752	658	725·5	829
Females .	580	745	593	625	680	733	823	765	701	688	693·3	721

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 10th day of April 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 10th April.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 10th April.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4482**	**3244**	**3376**	**73·0**	**26·0**	**45·9**	**0·47**	**47**	**22·78**	**−3·33**	**7·72**	**119**
London (Metropolis)	3,170,754	40·7	2070	2225	1462	1550	68·3	34·3	47·1	0·17	17	20·17	1·28	8·39	43
Bristol (City)	169,423	36·1	109	138	76	87 *	73·0	31·6	48·5	0·28	28	22·78	−0·22	9·17	71
Birmingham (Borough)	360,846	46·1	283	275	175	136	64·5	34·6	45·6	0·37	37	18·06	1·45	7·56	94
Liverpool (Borough)	509,052	99·7	345	297	295	297	62·3	39·8	46·4	0·71	72	16·84	4·34	8·00	180
Manchester (City)	370,892	82·7	277	261	210	197 *	67·0	35·0	45·5	0·62	63	19·44	1·67	7·50	157
Salford (Borough)	119,350	23·1	89	106	60	54	66·0	34·9	45·0	0·69	70	18·89	1·61	7·22	175
Sheffield (Borough)	239,752	10·5	196	165	126	125	67·2	34·5	46·8	0·44	44	19·55	1·39	8·23	112
Bradford (Borough)	138,522	21·0	105	100	71	80	55·5	35·4	43·9	0·47	47	13·06	1·89	6·61	119
Leeds (Borough)	253,110	11·7	189	131	129	127	56·0	37·0	44·5	0·43	43	13·33	2·78	6·95	109
Hull (Borough)	126,682	35·6	83	78	59	70	63·0	30·0	43·5	0·33	33	17·22	−1·11	6·39	84
Newcastle-on-Tyne (Borough)	130,503	24·5	90	95	69	73	59·0	30·0	41·4	0·29	29	15·00	−1·11	5·22	74
Edinburgh (City)	178,002	40·2	112	133	86	96	57·7	26·0	43·0	0·40	40	14·28	−3·33	6·11	102
Glasgow (City)	458,937	90·6	374	352	268	329	55·0	28·8	42·9	0·56	57	12·78	−1·77	6·06	142
Dublin (City and some suburbs)	320,762	32·9	219	126	158	155	65·2	33·5	47·3	0·66	67	18·44	0·84	8·50	168
				Week ending 3d Apr. 1869.		Week ending 3d Apr. 1869.	Week ending 3d April 1869.					Week ending 3d April 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	324	..	..	46·6	..	..	..	..	8·13	..
				Week ending 8th Apr. 1869.		Week ending 8th Apr. 1869.	Week ending 8th April 1869.					Week ending 8th April 1869.			
Berlin (City)	(1867) 702,437	..	..	467	..	247	..	..	44·4	..	..	..	..	6·88	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandesborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 10th April 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2225	1550	4	34	39	5	85	48	12
WEST DISTRICTS -	325	256	-	2	9	2	12	6	1
NORTH DISTRICTS -	492	326	1	3	6	2	19	18	1
CENTRAL DISTRICTS -	207	183	-	6	2	-	10	4	3
EAST DISTRICTS -	500	338	1	6	15	-	20	10	1
SOUTH DISTRICTS -	701	447	2	17	7	1	24	10	6
WEST DISTRICTS.									
St. Mary Paddington *WH*	39	25	-	-	2	-	2	2	-
St. John Paddington H	18	16	-	-	-	-	-	-	-
Kensington Town *W* -	55	38	-	-	2	2	4	1	1
Brompton H - -	17	14	-	-	1	-	1	1	-
St. Peter Hammersmith	3	1	-	-	-	-	-	-	-
St. Paul Hammersmith	26	18	-	-	-	-	-	1	-
Fulham *W* - - -	18	10	-	-	-	-	2	-	-
Chelsea South H - -	14	10	-	-	-	-	-	-	-
Chelsea North-west H *Ww*	14	16	-	-	-	-	-	-	-
Chelsea North-east -	9	14	-	1	-	-	-	-	-
Hanover Square - -	6	4	-	-	-	-	1	-	-
May Fair *W* - -	4	5	-	-	-	-	-	-	-
Belgrave H - - -	27	30	-	-	2	-	-	-	-
St. John Westminster -	28	20	-	-	-	-	1	1	-
St. Margaret West. *WH*	11	11	-	1	-	-	-	-	-
St. James's Square -	9	2	-	-	-	-	-	-	-
Golden Square *W* -	12	11	-	-	-	-	1	-	-
Berwick-street - -	4	3	-	-	-	-	-	-	-
St. Anne Soho - -	11	8	-	-	2	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	19	16	-	-	-	-	-	-	-
Cavendish Square - -	4	6	-	-	-	-	-	-	-
Rectory Marylebone *W*	18	23	-	-	1	-	2	-	-
St. Mary Marylebone -	21	12	-	-	-	-	-	-	-
Christchurch Marylebone	17	16	-	-	-	-	1	1	-
St. John Marylebone -	16	13	-	-	-	-	-	1	-
Hampstead *W* - -	13	9	-	-	-	-	-	-	-
Regent's Park Pancras -	23	12	-	-	1	-	1	-	-
Tottenham-court *w*H -	22	11	-	-	-	-	-	-	1
Gray's Inn Lane H -	15	11	-	-	1	-	-	-	-
Somers Town - -	28	14	-	-	-	-	1	1	-
Camden Town *W* -	13	16	-	-	-	-	1	-	-
Kentish Town - -	53	21	-	-	-	-	4	-	-
Islington West* *WHH*	82	61	1	2	1	1	4	15	-
Islington East *Ww* -	66	35	-	-	1	-	2	-	-
Stoke Newington - -	8	2	-	-	1	-	-	-	-
Stamford Hill - -	1	-	-	-	-	-	-	-	-
West Hackney - -	20	6	-	1	-	-	-	-	-
Hackney *Wllw* - -	32	29	-	-	-	1	-	-	-
South Hackney L -	21	13	-	-	-	-	3	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	6	9	-	1	1	-	-	-	-
St. Giles South *W* -	11	16	-	1	-	-	2	-	1
St. Giles North - -	12	6	-	-	-	-	1	-	-
Long Acre - - -	4	7	-	-	-	-	1	-	-
Charing Cross *WH* -	2	3	-	-	-	-	-	-	-
St. Mary-le-Strand -	5	6	-	-	-	-	1	-	-
St. Clement Danes H -	4	6	-	-	-	-	-	-	-
St. George-the-Martyr H	15	9	-	-	-	-	-	-	-
St. Andrew, East Holb. *W*	9	9	-	-	-	-	-	-	-
Saffron Hill - - -	6	4	-	1	-	-	1	-	-
St. James Clerkenwell *W*	13	10	-	-	-	-	2	-	-
Amwell Clerkenwell -	17	5	-	-	-	-	-	-	-
Pentonville - - -	7	3	-	-	-	-	-	-	-
Goswell-street - -	15	7	-	-	-	-	-	-	1
Old-street - - -	8	3	-	-	-	-	-	1	-
City-road HL - -	22	9	-	-	-	-	-	-	-
Whitecross-street - -	8	12	-	2	-	-	-	1	-
Finsbury - - -	5	5	-	-	-	-	-	-	-
St. Botolph East London	9	11	-	-	-	-	1	1	-
Cripplegate - - -	7	6	-	-	-	-	-	-	-
West London North *WH*	5	11	-	-	1	-	-	1	-
West London South -	8	6	-	-	-	-	-	-	-
London City South-west	1	1	-	-	-	-	-	-	-
London City North-west	2	6	-	-	-	-	-	-	-
London City South -	3	1	-	-	-	-	-	-	-
London City South-east	1	5	-	-	-	-	-	-	-
London City North-east	2	7	-	1	-	-	1	-	1

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	13	5	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	10	7	-	-	-	-	1	-	-
Hoxton New Town *w* -	14	17	-	-	-	-	1	1	-
Hoxton Old Town - -	24	10	-	-	-	-	-	-	-
Haggerstone West *W* -	16	10	-	1	1	-	-	-	-
Haggerstone East - -	9	4	-	-	-	-	-	1	-
Hackney-road - -	28	8	-	-	1	-	1	-	-
Green, Bthnl. Grn. *WHL*†	54	40	-	1	2	-	-	1	1
Church, Bethnal Green -	21	12	-	-	1	-	3	-	-
Town, Bethnal Green -	13	6	-	-	-	-	-	1	-
Artillery Whitechapel -	3	3	-	-	-	-	-	-	-
Spitalfields - - -	4	6	-	-	-	-	2	1	-
Mile End New Town *W*	16	17	-	-	-	-	-	2	-
Whitechapel North -	4	7	-	2	-	-	-	-	-
Whitechapel Church H	4	10	-	-	-	-	-	-	-
Goodman's Fields - -	11	7	-	-	-	-	-	1	-
Aldgate - - - -	7	1	-	-	-	-	-	-	-
St. Mary St. Geo. East -	24	6	-	-	-	-	-	-	-
St. Paul St. Geo. East -	11	15	-	-	-	-	1	-	-
St. John St. Geo. East *W*	11	12	-	-	1	-	-	-	-
Shadwell *W* - - -	4	6	-	-	-	-	-	-	-
Ratcliff *W* - - -	6	7	-	-	-	-	-	-	-
Limehouse *W* - -	19	12	-	-	2	-	1	-	-
Mile End Old Town, West	24	14	-	1	1	-	2	-	-
Mile End Old T., East *Ww*	47	22	1	-	1	-	-	1	-
Bow *ww*L† - - -	53	50	-	1	2	-	7	1	-
Poplar *W* - - -	50	24	-	-	3	-	1	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	16	12	-	5	-	-	-	1	-
St. Saviour Southwark H	7	10	-	1	-	-	2	-	-
St. Olave Southwark H	1	11	-	-	-	-	-	1	-
St. John Horsleydown *W*	5	9	-	-	-	-	1	-	-
St. James Bermondsey -	36	14	-	-	1	-	1	-	1
St. Mary Magdalen *W* -	17	13	-	1	-	-	1	1	-
Leather Market - -	12	8	1	-	1	-	-	-	-
Kent-road - -	12	9	-	-	-	-	-	1	-
Borough-road *W* - -	12	13	-	-	-	-	-	-	1
London-road L - -	10	9	-	-	-	-	-	-	-
Trinity Newington -	15	12	-	-	1	-	2	-	-
St. Peter Walworth *W*	42	15	-	1	-	-	-	-	-
St. Mary Newington H	16	14	-	-	-	-	-	-	-
Waterloo-road 1st -	11	8	-	-	-	-	2	-	-
Waterloo-road 2nd -	13	8	-	-	-	-	1	-	1
Lambeth Church 1st -	14	8	-	1	-	-	1	-	-
Lambeth Church 2nd *W*	28	22	-	2	1	-	-	-	1
Kennington 1st - -	25	27	1	-	-	1	2	1	-
Kennington 2nd - -	18	9	-	-	1	-	-	-	-
Brixton - - - -	20	12	-	-	-	-	-	-	1
Norwood *W* - - -	3	3	-	-	-	-	-	-	-
Clapham - - -	13	13	-	-	-	-	2	-	-
Battersea *Ww* - -	38	15	-	-	-	-	1	1	-
Wandsworth L - -	15	7	-	-	1	-	-	-	-
Putney - - - -	8	4	-	1	-	-	-	-	-
Streatham - - -	8	5	-	1	-	-	-	-	-
Dulwich - - -	2	1	-	1	-	-	-	-	-
Camberwell *WL*†*L*† -	22	9	-	1	-	-	1	-	-
Peckham - - -	34	17	-	-	-	-	2	-	-
St. George Camberwell -	30	12	-	-	1	-	2	2	-
Rotherhithe *W* - -	17	14	-	1	-	-	-	-	1
St. Paul Deptford - -	41	22	-	-	-	-	2	-	-
St. Nicholas Deptford -	3	5	-	-	-	-	-	1	-
Greenwich West H -	17	14	-	-	-	-	1	-	-
Greenwich East *WH* -	13	20	-	-	-	-	-	1	-
Eltham - - - -	4	4	-	-	-	-	-	-	-
Lee - - - -	11	4	-	-	-	-	-	-	-
Lewisham Village *W* -	11	4	-	1	-	-	-	-	-
Sydenham - - -	12	3	-	-	-	-	-	-	-
Charlton H - - -	6	8	-	-	-	-	-	-	-
Woolwich Dockyard H	18	4	-	-	-	-	-	-	-
Woolwich Arsenal H -	17	8	-	-	-	-	-	-	-
Plumstead, West - -	11	3	-	-	-	-	-	-	-
Plumstead, East - -	17	5	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - " " Tottenham-court sub-district.
West London - - " " Islington East.
East London - - " " Hackney sub-district.
St. Luke Middlesex - " " Hoxton New Town sub-district.
London City - - " " Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - " " Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

Deaths in London, from All Causes, Registered in the Fourteenth Week of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 9 1859	Apr. 7 1860	Apr. 6 1861	Apr. 5 1862	Apr. 4 1863	Apr. 9 1864	Apr. 8 1865	Apr. 7 1866	Apr. 6 1867	Apr. 4 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 10, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	56°·3	45°·7	43°·5	48°·6	45°·3	44°·5	48°·9	42°·4	48°·6	45°·2	46°·9	Mean Temp. 47°·1						
	ALL CAUSES . . .	1201	1439	1220	1299	1475	1501	1680	1574	1453	1346	1418·8	1550	601	698	215	260	304	73
	SPECIFIED CAUSES .	1194	1397	1184	1283	1456	1478	1667	1566	1449	1334	1400·8	1544	600	697	214	259	302	72
	(Classes.)																		
I.	ZYMOTIC DISEASES .	266	225	237	321	379	313	320	345	262	252	292·0	284	191	226	22	24	12	..
II.	CONSTITUTIONAL „ .	267	288	281	245	276	275	297	301	295	280	280·5	298	59	89	102	76	30	1
III.	LOCAL „ .	494	677	474	537	570	685	807	680	637	569	613·0	727	229	257	78	146	220	26
IV.	DEVELOPMENTAL „ .	133	174	151	138	167	171	195	196	195	183	170·3	195	104	104	5	6	35	45
V.	VIOLENT DEATHS . .	34	33	41	42	64	34	48	44	60	50	45·0	40	17	21	7	7	5	..
	(Orders.)																		
I.	1. Miasmatic Diseases . .	244	203	213	299	346	282	292	311	243	228	266·1	259	176	211	19	18	11	..
	2. Enthetic „ . .	9	6	8	8	10	8	11	6	6	4	7·6	9	8	8	..	1	..	..
	3. Dietic „ . .	12	14	15	11	21	18	14	22	11	17	15·5	15	7	7	3	4	1	..
	4. Parasitic „ . .	1	2	1	3	2	5	3	6	2	3	2·8	1	..	..	..	1	..	..
II.	1. Diathetic „ . .	41	48	52	45	52	51	50	49	50	41	47·9	48	1	1	3	22	21	1
	2. Tubercular „ . .	226	240	229	200	224	224	247	252	245	239	232·6	250	58	88	99	54	9	..
III.	1. Diseases of Nervous System . .	142	143	138	147	132	167	201	209	186	159	162·4	162	59	68	14	22	54	4
	2. „ of Organs of Circulation .	54	70	60	65	61	84	64	69	62	68	65·7	70	..	8	12	27	23	..
	3. „ of Respiratory Organs . .	224	379	214	240	299	340	447	293	305	255	299·6	404	159	166	38	67	112	21
	4. „ of Digestive Organs . . .	46	64	40	56	46	51	54	57	54	43	51·1	54	7	9	3	19	22	1
	5. „ of Urinary Organs . . .	17	11	11	18	15	30	19	30	18	30	19·9	22	..	1	4	9	8	..
	6. „ of Organs of Generation .	1	2	3	4	4	3	8	6	4	2	3·7	6	..	..	4	2	..	..
	7. „ of Organs of Locomotion .	7	2	3	4	5	4	9	10	6	5	5·5	6	2	3	3	..	..	..
	8. „ of Integumentary System .	3	6	5	3	8	6	5	6	2	7	5·1	3	2	2	..	..	1	..
IV.	1. Dev. Diseases of Children	40	47	46	50	49	54	49	56	62	50	50·3	53	53	53	..	..	..	..
	2. „ of Adults .	6	7	1	4	9	2	7	7	4	5	5·2	7	..	..	5	2	..	..
	3. „ of Old People	33	69	41	43	48	52	83	67	49	55	54·0	76	..	..	..	..	31	45
	4. Diseases of Nutrition .	54	51	63	41	61	63	56	66	80	73	60·8	59	51	51	..	4	4	..
V.	1 Accident or Negligence .	28	25	28	36	49	26	42	33	55	42	36·4	33	13	17	6	7	3	..
	3. Homicide	..	4	3	..	4	1	1	5	2	2	2·2	4	4	4	..	..	..	..
	4. Suicide	6	4	10	6	11	7	3	5	3	6	6·1	3	..	..	1	..	2	..
	5. Execution	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths not classed	..	..	..	..	..	..	2	1	..	..	·3	..	..	..	..	..	..	..
	Sudden Deaths, cause unascertained	7	3	2	9	6	4	2	3	1	2	3·9	4	1	1	1	..	1	1
	Causes not specified . .	..	39	34	7	13	19	11	5	3	10	14·1	2	..	..	..	1	1	..

* Order 2., comprising Violent Deaths in Battle, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 9 1859	Apr. 7 1860	Apr. 6 1861	Apr. 5 1862	Apr. 4 1863	Apr. 9 1864	Apr. 8 1865	Apr. 7 1866	Apr. 6 1867	Apr. 4 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 10, 1869. ALL AGES.	Deaths of Persons of the Ages Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	°56·3	45·7	43·5	48·6	45·3	44·5	48·9	42·4	48·6	45·2	°46·9	°47·1						
I.	ORDER 1.																		
	1. Small-pox	22	23	4	3	45	10	11	36	38	17	20·9	4	2	3	1	..	..	..
	2. Measles	15	20	24	33	51	33	14	71	21	46	32·8	34	32	34	..	..	..	..
	3. Scarlet Fever (Scarlatina)	58	26	19	66	80	48	26	21	15	12	37·1	{ 39	28	39	..	..	..	..
	4. Diphtheria	13	4	15	12	8	12	9	8	2	11	9·4	{ 5	4	5	..	..	..	..
	5. Quinsy	2	1	2	1	1	..	2	1	3	1	1·4	1	1	1	..	..	..	..
	6. Croup	15	8	19	17	18	18	15	18	19	11	15·8	10	9	10	..	..	..	..
	7. Whooping-cough	61	53	82	41	61	67	108	72	60	58	66·3	85	84	85	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	26	31	25	95	44	50	70	51	52	24	46·8	{ 17 { 19 { 12	.. 1 4	3 8 7	5 5 2	8 4 2	1 2 1	.. .. ..
	9. Erysipelas	2	3	7	5	4	9	13	10	4	8	6·5	6	1	1	1	2	2	..
	10. Puerperal Fever (Metria)	7	1	2	4	6	5	2	4	4	4	3·9	4	..	..	4	..	..	..
	11. Carbuncle	..	3	1	..	..	1	1	..	1	..	·7	..	..	..	..	..	..	..
	12. Influenza	2	14	..	..	1	..	1	1	1	..	2·0	1	..	..	..	..	1	..
	13. Dysentery	..	1	..	1	1	1	..	2	1	2	·9	1	..	..	..	..	1	..
	14. Diarrhœa	10	10	7	14	14	18	10	9	12	23	12·7	12	9	10	..	..	2	..
	15. Simple Cholera	..	..	..	..	1	..	..	1	..	1	·3	1	..	..	..	..	1	..
	16. Ague	..	..	2	..	2	1	1	..	..	..	·6	2	1	1	..	1	..	..
	17. Remittent Fever	1	..	1	1	3	2	..	..	..	..	·8	..	..	..	..	..	..	..
	18. Rheumatism	10	5	3	6	6	7	9	6	10	10	7·2	5	..	3	1	1	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	8	4	7	8	8	7	11	6	4	4	6·7	8	8	8	..	..	..	..
	2. Stricture of Urethra	1	1	1	..	2	1	..	..	2	..	·8	1	..	..	..	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	1	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	3	2	1	..	2	..	..	..	2	1·1	1	..	..	..	..	1	..
	2. Want of Breast-milk	6	5	8	7	13	10	7	12	8	10	8·6	6	6	6	..	..	..	..
	3. Purpura and Scurvy	1	1	1	1	3	2	2	1	3	2	1·7	3	1	1	1	1	..	..
	4. Alcoholism { *a* Del. Tremens *b* Intemperance	2 2	4 1	3 1	1 1	2 3	3 1	2 3	7 2	.. ..	2 1	2·6 1·5	4 1	.. ..	.. ..	2 ..	2 1	.. ..	.. ..
	ORDER 4.																		
	1. Thrush	1	2	1	3	2	5	3	5	2	3	2·7	..	..	..	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	1	..	..	·1	1	..	..	..	1	..	..
II.	ORDER 1.																		
	1. Gout	3	2	1	1	1	1	5	..	4	1	1·9	4	..	..	..	3	1	..
	2. Dropsy	14	16	19	16	10	12	11	11	15	10	13·4	13	1	1	2	5	5	..
	3. Cancer	19	25	26	23	34	28	30	32	27	26	27·0	29	..	..	1	13	14	1
	4. Cancrum Oris (Noma)	1	..	..	..	..	2	1	..	2	..	·6	..	..	..	..	..	..	..
	5. Mortification	4	5	6	5	7	8	3	6	2	4	5·0	2	..	..	..	1	1	..
	ORDER 2.																		
	1. Scrofula	10	14	10	7	11	12	4	6	5	7	8·6	6	5	5	..	1	..	..
	2. Tabes Mesenterica	13	13	15	14	17	11	16	25	15	20	15·9	15	14	15	..	..	..	..
	3. Phthisis	165	176	172	147	163	164	187	196	192	186	174·8	195	10	34	99	53	9	..
	4. Hydrocephalus	38	37	32	32	33	37	40	25	33	26	33·3	34	29	34	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	11	8	8	15	10	15	17	17	21	17	13·9	22	13	16	4	1	1	..
	2. Apoplexy	27	43	32	31	27	37	47	43	33	30	35·0	32	..	..	2	9	19	2
	3. Paralysis	28	25	26	19	24	29	40	35	38	28	29·2	28	..	..	..	6	20	2
	4. Insanity	3	3	..	2	1	1	4	2	4	3	2·3	4	..	1	..	2	1	..
	5. Chorea	..	..	..	1	..	1	..	..	..	..	·2	1	..	..	1	..	..	..
	6. Epilepsy	11	6	6	14	6	6	12	13	6	5	8·5	13	1	3	5	2	3	..
	7. Convulsions	45	41	42	46	44	54	68	81	72	59	55·2	44	44	44	..	..	..	..
	8. *Brain Disease, &c.*	17	17	24	19	20	24	13	18	12	17	18·1	18	1	4	2	2	10	..
	ORDER 2.																		
	1. Pericarditis	1	1	2	..	2	1	3	2	4	1	1·7	3	..	..	..	2	1	..
	2. Aneurism	..	..	1	4	3	1	1	1	1	2	1·4	2	..	..	..	2	..	..
	3. *Heart Disease, &c.*	53	69	57	61	56	82	60	66	57	65	62·6	65	..	8	12	23	22	..
	ORDER 3.																		
	1. Laryngitis	6	9	6	6	19	5	13	11	16	8	9·9	9	9	9	..	..	..	..
	2. Bronchitis	112	236	108	136	162	197	257	176	173	147	170·4	249	87	90	12	45	83	19
	3. Pleurisy	..	2	1	1	..	1	4	3	2	3	1·7	5	..	1	2	2	..	..
	4. Pneumonia	89	109	84	73	92	104	121	77	87	70	90·6	104	59	61	19	11	12	1
	5. Asthma	7	19	11	13	10	13	28	14	17	16	14·8	21	..	..	2	6	12	1
	6. *Lung Disease, &c.*	10	4	4	11	16	20	24	12	10	11	12·2	16	4	5	3	3	5	..
	ORDER 4.																		
	1. Gastritis	1	1	..	1	..	1	1	3	..	3	1·1	2	1	1	..	1	..	..
	2. Enteritis	4	6	8	7	7	6	10	1	9	8	6·6	7	3	4	..	2	1	..
	3. Peritonitis	4	4	7	10	7	2	7	6	2	6	5·5	3	..	..	..	2	1	..
	4. Ascites	3	5	3	2	2	4	5	2	3	2	3·1	..	..	..	..	..	..	..
	5. Ulceration of Intestines	3	4	..	1	1	2	1	4	1	1	1·8	3	..	1	..	2	..	..
	6. Hernia	2	1	1	8	4	3	2	3	4	2	3·0	7	..	..	..	1	5	1
	7. Ileus	1	6	1	2	2	2	4	5	5	..	2·8	4	2	2	..	..	2	..
	8. Intussusception	2	..	1	2	2	..	..	..	..	..	·7	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with those of typhoid, relapsing, and other continued fevers, under one name "typhus." Cases of "rheumatic fever" are classed with "rheumatism:" of "hæmorrhage" and "abscess"

in the FOURTEENTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 9 1859	Apr. 7 1860	Apr. 6 1861	Apr. 5 1862	Apr. 4 1863	Apr. 9 1864	Apr. 8 1865	Apr. 1866	Apr. 6 1867	Apr. 4 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 10, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	56°3	45°7	43°5	48°6	45°3	44°5	48°9	42°4	48°6	45°2	46°9	47°1						
	9. Stricture of Intestines	..	..	..	..	..	1	1	2	1	1	·6	..	..	..	..	..	..	..
	10. Fistula	1	1	..	1	..	..	..	..	1	..	·4	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	4	8	3	4	7	3	1	6	6	2	4·4	9	..	..	..	2	7	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	2	5	1	4	3	6	2	5	4	3	3·5	1	1	1	..	..	..	..
	14. Jaundice	6	8	2	2	3	4	5	4	8	3	4·5	1	..	..	..	1	..	..
	15. *Liver Disease, &c.*	13	15	13	12	8	17	15	16	9	12	13·0	17	..	..	3	8	6	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	2	..	..	2	1	1	2	1	1	4	1·4	1	..	..	..	1	..	..
	2. Ischuria	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..
	3. Bright's disease (Nephria)	5	3	4	8	6	17	7	17	8	14	8·9	12	..	..	3	6	3	..
	4. Diabetes	1	1	2	2	1	1	1	2	..	2	1·3	..	..	..	..	..	..	..
	5. Calculus (Stone)	1	..	..	1	1	1	1	..	..	2	·7	..	..	..	..	..	..	..
	6. Cystitis	..	..	..	..	2	..	..	..	1	1	·4	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	8	7	5	5	4	10	8	10	8	7	7·2	8	..	1	1	2	4	..
	ORDER 6.																		
	1 Ovarian Dropsy	..	1	1	..	1	1	..	..	2	..	·6	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	1	1	2	4	3	2	8	6	2	2	3·1	6	..	..	4	2	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	1	..	..	1	1	..	·3	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	7	2	3	4	4	4	9	9	5	5	5·2	6	2	3	3	..	..	..
	ORDER 8.																		
	1. Phlegmon	1	1	1	1	3	1	4	4	1	3	2·0	2	1	1	..	..	1	..
	2. Ulcer	1	3	3	1	1	2	1	1	..	2	1·5	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	1	2	1	1	4	3	..	1	1	2	1·6	1	1	1	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	15	16	22	21	17	21	18	25	36	18	20·9	25	25	25	..	..	..	..
	2. Cyanosis	..	2	3	3	2	1	2	3	..	4	2·0	..	..	..	..	..	..	..
	3. Spina Bifida	1	..	..	5	..	1	2	2	2	3	1·6	1	1	1	..	..	..	..
	4. Other Malformations	1	2	2	..	..	1	2	1	4	3	1·6	2	2	2	..	..	..	..
	5. Teething	23	27	19	21	30	30	25	25	20	22	24·2	25	25	25	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	..	1	..	·1	1	..	..	..	1	..	..
	2. Childbirth(*see* Puerperal Fev.)	6	7	1	4	9	2	7	7	3	5	5·1	6	..	..	5	1	..	..
	ORDER 3.																		
	1. Old Age	33	69	41	43	48	52	83	67	49	55	54·0	76	..	..	..	..	31	45
	ORDER 4.																		
	1. Atrophy and Debility	54	51	63	41	61	63	56	66	80	73	60·8	59	51	51	..	4	4	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	15	9	7	16	19	8	8	9	18	19	12·8	15	3	4	4	5	2	..
	2. Wounds	..	..	..	1	..	2	..	1	..	..	·4	..	..	..	..	..	..	..
	3. Burns and Scalds	6	7	4	8	7	4	14	7	11	5	7·3	5	3	5	..	..	..	..
	4. Poison.	1	..	..	1	3	..	..	..	1	..	·6	1	..	..	..	..	1	..
	5. Drowning	2	2	8	2	10	5	5	6	5	3	4·8	4	..	1	2	1	..	..
	6. Suffocation	4	6	8	6	8	7	13	7	17	11	8·7	6	5	5	..	1	..	..
	7. Otherwise	..	1	1	2	2	..	2	3	3	4	1·8	2	2	2	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	..	4	3	..	4	1	1	5	2	2	2·2	4	4	4	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	2	1	..	1	..	..	..	..	1	·5	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	2	1	3	1	1	2	1	2	1	..	1·4	1	..	..	..	..	1	..
	2. Poison.	3	..	1	1	3	1	1	1	1	4	1·6	1	..	..	..	..	1	..
	3. Drowning	..	..	1	..	2	..	..	2	..	..	·5	1	..	..	1	..	..	..
	4. Hanging	1	1	4	4	4	4	1	..	1	1	2·1	..	..	..	..	..	..	..
	5. Otherwise	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	2	1	..	..	·3	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	7	3	2	9	6	4	2	3	1	2	3·9	4	1	1	1	..	1	1
	Causes not specified or ill-defined	..	39	34	7	13	19	11	5	3	10	14·1	2	..	..	..	1	1	..

with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 10TH APRIL, 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. MONTH AND DAY.		MOON. Phases of Moon.	BAROMETER. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	READINGS OF THERMOMETERS. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	DIFFERENCE Between Dew Point Temperature and Air Temperature. Mean daily value.	Between Dew Point Temperature and Air Temperature. Greatest.	Between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	WIND. As deduced from Anemometers. Osler's. General Direction. A.M.	WIND. As deduced from Anemometers. Osler's. General Direction. P.M.	WIND. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	WIND. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	WIND. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	WIND. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	RAIN. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
APRIL.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
SUNDAY .	4	..	29·553	47·4	34·4	13·0	39·9	32·4	84·5	30·0	42·4	40·4	7·5	10·7	5·9	— 5·3	75	N.	N. by E. & N.W.	3·5	0·0	0·8	339	0·00	1
MONDAY .	5	..	29·967	54·5	34·3	20·2	44·6	39·7	93·6	29·7	43·4	40·9	4·9	12·4	0·0	— 0·8	83	WSW.	WSW. & SW.	1·1	0·0	0·1	255	0·00	3
TUESDAY .	6	..	29·899	50·7	41·9	8·8	46·0	43·1	64·5	41·0	43·9	40·9	2·9	9·5	0·4	+ 0·6	89	SW.	SW.	6·1	0·0	0·7	417	0·13	6
WEDNESDAY	7	..	29·817	63·8	47·2	16·6	52·8	48·2	108·8	46·0	44·4	41·4	4·6	10·8	0·0	+ 7·4	85	SW.	SW.	2·7	0·0	0·5	352	0·01	4
THURSDAY .	8	Apogee	29·827	61·1	46·6	14·5	51·1	50·3	87·7	41·0	46·4	43·4	0·8	5·7	0·0	+ 5·7	97	SW.	NE. & ESE.	0·2	0·0	0·0	123	0·03	1
FRIDAY .	9	..	29·968	48·0	42·9	5·1	44·3	41·8	61·9	42·3	46·9	44·4	2·5	3·6	0·9	— 1·0	91	ENE.	E. by N.	1·5	0·0	0·1	262	0·00	5
SATURDAY .	10	..	29·916	68·3	41·9	26·4	51·2	49·5	109·5	41·3	49·4	44·4	1·7	12·6	0·0	+ 6·0	94	ESE. & NE.	SE. & E.	0·0	0·0	0·0	63	0·00	2
MEANS . .		..	29·850	56·3	41·3	14·9	47·1	43·6	87·2	38·8	45·3	42·3	3·6	9·3	1·0	+ 1·8	88	Variable.		..	..	..	Sum 1811	Sum 0·17	3·1
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

DATE. APRIL.		ELECTRICITY.	SKY AND ATMOSPHERE.
SUNDAY .	4	The insulating lamp was not burning.	Overcast till evening; then cloudless, but hazy.
MONDAY .	5		Generally cloudy. Slight fog in the morning.
TUESDAY .	6		Generally overcast. Rain fell during the afternoon and evening.
WEDNESDAY	7		During the early morning hours rain fell; and the sky was overcast till near noon; fine and partially cloudy afterwards.
THURSDAY .	8		Overcast throughout the morning, thin rain fell and fog was very prevalent; fine after noon and partially cloudy till evening, then cloudless.
FRIDAY .	9		Overcast.
SATURDAY .	10	Positive, with weak tension in the afternoon.	Overcast during the morning and fog prevailed; very fine after noon, and occasionally cloudy.

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·21 in. at the beginning of the week to 30·02 in. by 9h. P.M. on the 5th; decreased to 29·80 in. by 3h. P.M. on the 7th; increased to 29·85 in. by 9h. P.M. on the same day; decreased to 29·80 in. by 3h. P.M. on the 8th; increased to 29·99 in. by noon on the 9th; decreased to 29·90 in. by 3h. P.M. on the 10th; and was 29·94 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 15. 1869. Vol. XXX.] Week ending Saturday, April 17. [Price 1*d.*

General Register Office, Somerset House, 19th April 1869.

In the week that ended on Saturday, 17th April, 4727 births, and 3516 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 28 per 1000 persons living.

The annual rate of mortality last week was 26 per 1000 in London, 32 in Edinburgh, and 31 in Dublin; 27 in Bristol, 21 in Birmingham, 27 in Liverpool, 26 in Manchester, 31 in Salford, 28 in Sheffield, 31 in Bradford, 24 in Leeds, 31 in Hull, 35 in Newcastle-upon-Tyne, and 44 in Glasgow. The rate in Vienna was 36 per 1000 during the week ending the 10th inst., and in Berlin 32 per 1000 during the seven days ending the 15th instant.

In London the births of 1072 boys and 1085 girls, in all 2157 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2187.

The deaths registered in London during the week were 1595. It was the fifteenth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1520. The deaths in the present return exceed by 75 the estimated amount, and exceed by 45 the number recorded in the preceding week.

The deaths from zymotic diseases were 320, the corrected average number being 326. Two deaths from small-pox, 28 from measles, 41 from scarlet fever, 3 from diphtheria, 103 from whooping-cough, 24 from typhus fever, 14 from enteric fever, 17 from simple continued fever, and 21 from diarrhœa were registered.

Four hundred and eighty children have died from whooping-cough during the last six weeks. Three deaths from this disease were registered last week in the sub-district of All Souls Marylebone, 7 in the sub-district of Islington West, 4 in the sub-district of Islington East, 6 in the sub-district of Hackney-road, 3 in the Green sub-district of Bethnal-green, 3 in the sub-district of Mile-end Old Town West, 3 in the sub-district of St. Mary Newington, 3 in the sub-district of Camberwell, 4 in the sub-district of Peckham, and 5 in the sub-district of St. George Camberwell.

Fifteen deaths from scarlet fever were recorded in the East districts, and 11 in the South districts.

A comparison of the deaths from fever with those registered in the preceding week shows an increase of 7 on the total number, an increase of 7 deaths from typhus fever, a decrease of 5 deaths from enteric fever, and an increase of 5 deaths from simple continued fever.

One hundred and ninety-two deaths occurred from phthisis, 191 from bronchitis, and 95 from pneumonia. The corrected average number of deaths from phthisis is 191, from bronchitis 173, and from pneumonia 97.

The deaths of 6 children and 2 adults from burns or scalds, of 4 children and 6 adults from drowning, of 5 infants from suffocation, and of 8 persons who committed suicide were recorded.

Six hundred and sixty-two children died under 5 years of age; of these, 26 died from measles, 32 from scarlet fever, 10 from croup, 99 from whooping-cough, 8 from simple continued fever, 13 from diarrhœa, 10 from syphilis, 9 from want of breast milk, 23 from tabes mesenterica, 12 from phthisis, 28 from hydrocephalus, 83 from convulsions, 64 from bronchitis, 61 from pneumonia, 31 from teething, and 47 from atrophy and debility.

A blacksmith's assistant, aged 12 years, died on 2d April, in St. George's Hospital, from "ruptured liver, run over by a fire escape." *Post mort.* (*Inquest.*)

The following deaths of 3 persons killed by horses or vehicles in the streets were registered:—

A cheesemonger, aged 55 years, "thrown down and kicked by a horse." Died on 8th April, in St. George's Hospital. (*Inquest.*)

The son of a cutler, aged 4 years, "crushed by the wheel of a waggon." Died instantly on 13th April, in Victoria-street, Westminster. (*Inquest.*)

A shorthand writer, aged 56 years, "run over by a cab." Died on 29th March, in St. Thomas's Hospital. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·682 in. The barometrical reading decreased from 30·16 in. on Tuesday, 13th April, to 29·00 in. on Friday, 16th April. The mean temperature of the air in the week was 55·2°, which is 10·0° above the average of the same week in 50 years (as determined by Mr. Glaisher). On Sunday, 11th April, the mean temperature was 13·7°, on Monday, 12th April, 16·8°. On Tuesday, 13th April, 14·3°, and on Wednesday, 14th April, 17·0° above the average. The highest day temperature was 79·1° on Wednesday, 14th April. The lowest night temperature was 37·9° on Sunday, 11th April. The entire range of temperature in the week was, therefore, 41·2°. The mean of the highest temperatures of the water of the Thames was 53·8°; that of the lowest was 51·7°. The difference between the mean dew-point temperature and air temperature was 6·0°. The mean degree of humidity of the air was 81, complete saturation being represented by 100. Rain fell to the amount of 0·46 in. The general direction of the wind was variable. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 192,570 cubic metres, and at Barking 142,854 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Fifteenth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1636	1866	2004	1894	2180	1972	1973	2188	2105	2066	1988·4	2157
Males . .	865	932	1012	964	1131	1039	1036	1090	1048	1074	1019·1	1072
Females . .	771	934	992	930	1049	933	937	1098	1057	992	969·3	1085
Total Deaths	1084	1407	1209	1252	1610	1523	1533	1552	1372	1274	1381·6	1595*
Males . .	548	738	603	655	793	777	800	819	750	638	712·1	817
Females . .	536	669	606	597	817	746	733	733	622	636	669·5	778

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Jan. 23.	Jan. 30.	Feb. 6.	Feb. 13	Feb. 20.	Feb. 27.	Mar. 6.	Mar. 13.	Mar. 20.	Mar. 27.	Apr. 3.	Apr. 10.	Apr. 17.
Deaths - - - -	1578	1737	1631	1426	1491	1419	1487	1519	1549	1590	1670	1550	1595
Deaths under 5 years of age -	631	614	624	570	572	535	592	615	582	603	678	601	662
Deaths under 20 years of age	721	724	723	670	697	647	682	721	698	703	786	698	772
Deaths 20—40 - - -	220	222	221	218	223	208	217	199	204	228	211	215	235
Deaths 40–60 - - -	268	323	276	235	268	253	279	254	268	289	282	260	254
Deaths at 60 years of age and upwards - - -	369	468	411	303	303	311	309	345	379	370	391	377	334
Deaths from Smallpox - -	10	5	9	6	6	2	6	7	3	2	4	4	2
„ „ Measles - -	28	26	17	25	15	12	25	27	20	30	31	34	28
„ „ Scarlet Fever -	64	53	45	56	39	43	56	39	33	43	44	39	41
„ „ Diphtheria -	5	6	3	9	10	7	4	6	5	4	6	5	3
„ „ Whooping-cough	63	85	64	72	82	50	65	81	67	71	73	85	103
„ „ Typhus fever -	15	24	15	20	23	26	15	19	20	14	20	17	24
„ „ Enteric fever -	22	30	36	21	37	18	26	27	26	21	21	19	14
„ „ Simple Cont^{d} fever	9	15	12	14	19	20	11	17	16	22	16	12	17
„ „ Diarrhœa - -	16	12	9	8	14	9	18	19	13	16	19	12	21
„ „ Phthisis - -	198	194	174	144	189	184	161	176	187	197	179	195	192
„ „ Bronchitis - -	249	293	275	209	171	185	196	230	244	262	269	249	191
„ „ Pneumonia -	89	100	102	84	74	78	98	90	99	103	102	104	95
„ „ Heart Disease -	81	95	81	78	77	72	60	74	74	80	82	65	67
Mean Temperature of the Air	36°·6	40°·7	49°·2	47°·5	45°·5	40°·9	39°·1	35°·6	36°·9	38°·7	39°·0	47°·1	55°·2
Mean Temperature of the Water of the Thames -	42·0	37·6	44·9	47·0	45·0	43·3	42·2	40·8	38·8	41·0	40·7	43·8	52·7
Humidity of the Air - -	87	77	85	86	83	82	76	82	84	84	83	88	81
Rain-fall in inches - -	0·13	1·03	0·65	0·97	0·17	0·70	0·47	0·04	0·57	0·27	0·24	0·17	0·46

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Gray's-inn-lane was not received when the Tables were under preparation, but an average of 11, derived from the returns of six previous weeks, is substituted for the true number, which is 10.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 17th day of April 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 17th April.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 17th April.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4727**	**3244**	**3516**	**79·1**	**36·4**	**54·2**	**0·50**	**51**	**26·17**	**2·44**	**12·33**	**127**
London (Metropolis . .	3,170,754	40·7	2070	2157	1462	1595	79·1	37·9	55·2	0·46	46	26·17	3·28	12·89	117
Bristol . . (City) .	169,423	36·1	109	122	76	89 *	78·2	44·4	55·9	0·40	40	25·67	6·89	13·28	102
Birmingham . (Borough) .	360,846	46·1	283	304	175	144	77·8	41·6	55·1	0·43	43	25·45	5·34	12·84	109
Liverpool . . (Borough) .	509,052	99·7	345	331	295	262	76·1	42·9	54·3	0·13	13	24·50	6·06	12·39	33
Manchester . (City) .	370,892	82·7	277	289	210	186 *	78·5	41·5	56·0	0·43	43	25·84	5·28	13·33	109
Salford . . (Borough) .	119,350	23·1	89	109	60	71	77·4	42·2	55·6	0·41	41	25·22	5·67	13·12	104
Sheffield . . (Borough) .	239,752	10·5	196	198	126	130	75·1	44·0	55·3	0·71	72	23·95	6·67	12·95	180
Bradford . . (Borough) .	138,522	21·0	105	155	71	83	74·0	44·5	55·9	0·30	30	23·33	6·95	13·28	76
Leeds . . . (Borough .	253,110	11·7	189	138	129	114	76·0	43·0	56·6	0·41	41	24·44	6·11	13·67	104
Hull . . . (Borough) .	126,682	35·6	83	74	59	75	73·0	38·0	51·3	0·59	60	22·78	3·33	10·73	150
Newcastle-on-Tyne (Borough)	130,503	24·5	90	85	69	87	71·0	40·0	50·1	1·24	24	21·67	4·44	10·06	315
Edinburgh . (City) .	178,002	40·2	112	124	86	109	70·7	39·0	52·5	0·90	91	21·50	3·89	11·39	229
Glasgow . . (City) .	458,937	90·6	374	449	268	383	69·6	38·3	52·5	0·20	20	20·90	3·50	11·39	51
Dublin (City and some suburbs)	320,762	32·9	219	192	158	188	73·2	36·4	52·5	0·45	45	22·89	2·44	11·39	114
				Week ending 10th Apr. 1869.		Week ending 10th Apr. 1869.	Week ending 10th April 1869.					Week ending 10th April 1869.			
Vienna . . (City) .	(1863) 560,000	..	..	..	..	385	..	..	51·1	..	..	..	..	10·62	..
				Week ending 15th Apr. 1869.		Week ending 15th Apr. 1869.	Week ending 15th April 1869.					Week ending 15th April 1869.			
Berlin . . (City) .	(1867) 702,437	..	..	465	..	443 †	..	..	55·4	..	..	..	..	13·00	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool: T. Mackereth, Esq., Eccles, near Manchester: G. V. Vernon, Esq., Old Trafford, Manchester: D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

† Erratum.—An amended return has been received from Berlin, which makes the deaths registered in that city in the week ending the 8th instant 447, instead of 247 as published last week. The annual rate of mortality in the week was therefore 32 per 1000, instead of 18.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 17th April, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases.						
			Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2157	1595	2	28	41	3	103	55	21
WEST DISTRICTS -	317	280	1	2	6	1	10	8	6
NORTH DISTRICTS -	492	375	1	3	6	-	24	20	2
CENTRAL DISTRICTS	213	170	-	5	3	-	8	1	3
EAST DISTRICTS -	485	330	-	9	15	1	27	11	5
SOUTH DISTRICTS -	650	440	-	9	11	1	34	15	5
WEST DISTRICTS.									
St. Mary Paddington *WH*	32	22	-	-	1	-	2	2	-
St. John Paddington H	12	21	-	-	-	-	1	-	1
Kensington Town *W* -	61	34	-	-	-	-	1	2	2
Brompton H - -	11	11	1	-	-	-	-	1	-
St Peter Hammersmith	6	2	-	-	-	-	-	-	-
St. Paul Hammersmith	13	16	-	-	-	-	-	1	-
Fulham *W* - - -	14	10	-	-	-	-	-	-	-
Chelsea South H - -	16	16	-	-	-	-	-	-	-
ChelseaNorth-west H*Ww*	21	20	-	-	1	-	-	-	1
Chelsea North-east -	13	10	-	-	2	-	-	-	-
Hanover Square - -	6	7	-	-	-	-	-	-	-
May Fair *W* - -	11	7	-	-	-	-	-	-	-
Belgrave H - - -	32	34	-	-	-	1	-	1	1
St. John Westminster -	26	19	-	1	-	-	2	1	-
St. Margaret West. *WH*	11	21	-	-	-	-	1	-	1
St. James's Square -	3	3	-	-	-	-	-	-	-
Golden Square *W* -	6	10	-	-	-	-	1	-	-
Berwick-street - -	13	4	-	-	-	-	-	-	-
St. Anne Soho - -	10	13	-	1	2	-	2	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	19	18	-	-	-	-	3	-	-
Cavendish Square - -	5	6	-	-	-	-	-	1	-
Rectory Marylebone *W*	9	23	-	-	-	-	1	-	-
St. Mary Marylebone -	26	14	-	-	1	-	-	-	-
Christchurch Marylebone	25	18	-	-	-	-	1	-	-
St. John Marylebone -	16	11	-	-	-	-	-	-	-
Hampstead *W* - -	17	7	-	1	1	-	-	-	-
Regent's Park Pancras -	13	15	-	1	-	-	2	1	-
Tottenham-court *wH* -	24	26	-	-	-	-	1	-	-
Gray's Inn Lane H -	18	11	-	-	-	-	-	-	-
Somers Town - -	20	10	-	-	-	-	-	-	-
Camden Town *W* -	16	20	-	-	-	-	-	-	-
Kentish Town - -	57	25	-	-	-	-	1	1	1
Islington West* *WHH*	71	58	1	-	2	-	7	14	-
Islington East *Ww* -	68	55	-	1	1	-	4	1	-
Stoke Newington - -	8	3	-	-	1	-	-	-	-
Stamford Hill - -	4	3	-	-	-	-	-	-	-
West Hackney - -	22	12	-	-	-	-	2	1	-
Hackney *WHw* - -	34	23	-	-	-	-	1	1	1
South Hackney L -	20	17	-	-	-	-	1	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	7	3	-	-	-	-	-	-	-
St. Giles South *W* -	15	15	-	1	1	-	2	-	-
St. Giles North - -	5	6	-	1	-	-	2	-	-
Long Acre - - -	6	5	-	-	-	-	-	-	-
Charing Cross *WH* -	6	14	-	-	-	-	-	-	-
St. Mary-le Strand -	2	4	-	-	-	-	-	-	-
St. Clement Danes H -	6	10	-	1	-	-	-	-	-
St. George-the-Martyr H	15	11	-	-	-	-	-	-	-
St. Andrew, East Holb. *W*	11	13	-	-	-	-	1	-	1
Saffron Hill - - -	5	3	-	-	-	-	-	-	-
St. James Clerkenwell *W*	14	8	-	-	-	-	-	-	1
Amwell Clerkenwell -	17	11	-	-	-	-	-	1	-
Pentonville - - -	7	8	-	-	-	-	-	-	-
Goswell street - -	14	7	-	-	-	-	-	-	-
Old-street - - -	12	2	-	-	-	-	-	-	-
City-road HL - -	15	4	-	-	-	-	-	-	1
Whitecross street -	6	7	-	1	-	-	-	-	-
Finsbury - - -	8	5	-	-	-	-	-	-	-
St. Botolph East London	10	4	-	-	1	-	1	-	-
Cripplegate - - -	8	6	-	1	-	-	1	-	-
West London North *WH*	2	9	-	-	-	-	-	-	-
West London South -	11	2	-	-	-	-	1	-	-
London City South-west	-	-	-	-	-	-	-	-	-
London City North-west	3	4	-	-	-	-	-	-	-
London City South -	2	4	-	-	-	-	-	-	-
London City South-east	2	1	-	-	-	-	-	-	-
London City North-east	4	4	-	-	1	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases.						
			Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	11	4	-	-	-	-	1	-	-
St. Leonard Shrdtch. L†	3	6	-	-	-	-	-	1	-
Hoxton New Town *w* -	27	12	-	-	-	1	-	-	-
Hoxton Old Town - -	27	13	-	-	-	-	1	-	-
Haggerstone West *W* -	22	13	-	-	-	-	1	-	3
Haggerstone East - -	19	4	-	-	-	-	1	-	-
Hackney road - -	31	24	-	-	1	-	6	-	1
Green, Bthnl.Grn. *WHL*†	29	42	-	2	2	-	3	1	-
Church, Bethnal Green	27	8	-	-	1	-	-	-	-
Town, Bethnal Green -	18	12	-	-	-	-	-	1	-
Artillery Whitechapel -	4	4	-	-	1	-	-	-	-
Spitalfields - - -	8	3	-	-	1	-	-	-	-
Mile End New Town *W*	9	13	-	-	-	-	-	-	-
Whitechapel North -	8	4	-	-	-	-	-	-	-
Whitechapel Church H	8	14	-	-	-	-	-	1	-
Goodman's Fields - -	4	8	-	-	1	-	1	1	-
Aldgate - - - -	-	4	-	-	-	-	-	-	-
St. Mary St. Geo. East -	11	4	-	-	-	-	-	2	-
St. Paul St. Geo. East -	17	12	-	3	-	-	2	1	-
St. John St. Geo. East *W*	3	8	-	-	-	-	-	-	-
Shadwell *W* - - -	11	4	-	-	2	-	-	-	-
Ratcliff *W* - - -	16	6	-	-	-	-	1	1	-
Limehouse *W* - -	25	12	-	1	1	-	1	-	-
Mile End Old Town, West	25	15	-	-	2	-	3	1	-
Mile End Old T., East *Ww*	29	29	-	3	-	-	2	-	-
Bow *ww*L† - - -	54	32	-	-	1	-	2	1	-
Poplar *W* - - -	39	20	-	-	2	-	2	-	1
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	13	7	-	-	-	-	1	1	-
St. Saviour Southwark H	5	8	-	-	-	-	-	-	-
St. Olave Southwark H	-	8	-	-	-	-	-	-	-
St. John Horsleydown *W*	11	11	-	-	-	-	1	-	-
St. James Bermondsey -	40	12	-	1	1	-	1	-	-
St. Mary Magdalen *W*	10	9	-	-	-	1	1	-	1
Leather Market - -	14	6	-	-	1	-	-	-	-
Kent-road - - -	9	13	-	-	-	-	-	-	-
Borough-road *W* - -	11	20	-	-	-	-	2	1	-
London-road L - -	16	11	-	-	-	-	-	1	1
Trinity Newington -	18	7	-	-	-	-	1	3	-
St. Peter Walworth *W*	33	20	-	1	1	-	1	2	-
St. Mary Newington H -	9	20	-	1	-	-	3	1	1
Waterloo-road 1st - -	14	5	-	-	-	-	1	-	-
Waterloo-road 2nd -	15	9	-	-	-	-	-	1	-
Lambeth Church 1st -	9	6	-	-	-	-	-	-	-
Lambeth Church 2nd *W*	27	28	-	-	2	-	2	-	-
Kennington 1st - -	26	19	-	-	1	-	-	-	-
Kennington 2nd - -	18	11	-	-	1	-	1	-	-
Brixton - - - -	27	13	-	-	-	-	-	-	-
Norwood *W* - - -	12	6	-	-	-	-	1	-	-
Clapham - - -	12	8	-	-	-	-	-	2	-
Battersea *Ww* - -	37	19	-	-	1	-	-	-	-
Wandsworth L - -	7	11	-	1	-	-	-	-	1
Putney - - - -	4	4	-	1	-	-	-	-	-
Streatham - - -	4	5	-	1	-	-	-	-	-
Dulwich - - -	1	-	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	20	26	-	1	1	-	3	-	-
Peckham - - -	26	11	-	-	-	-	4	-	-
St. George Camberwell -	26	18	-	-	-	-	5	-	-
Rotherhithe *W* - -	23	14	-	-	1	-	2	-	-
St. Paul Deptford - -	42	20	-	1	1	-	1	-	-
St. Nicholas Deptford -	7	1	-	-	-	-	-	1	-
Greenwich West H -	8	7	-	-	-	-	1	-	-
Greenwich East *WH* -	7	9	-	1	-	-	1	-	-
Eltham - - - -	4	3	-	-	-	-	-	-	1
Lee - - - -	8	5	-	-	-	-	-	-	-
Lewisham Village *W* -	10	4	-	-	-	-	-	-	-
Sydenham - - -	12	1	-	-	-	-	-	-	-
Charlton H - - -	4	2	-	-	-	-	-	-	-
Woolwich Dockyard H	13	8	-	-	-	-	1	1	-
Woolwich Arsenal H -	15	6	-	-	-	-	-	-	-
Plumstead, West - -	13	6	-	-	-	-	-	1	-
Plumstead, East - -	10	3	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the FIFTEENTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 16 1859	Apr. 14 1860	Apr. 13 1861	Apr. 12 1862	Apr. 11 1863	Apr. 16 1864	Apr. 15 1865	Apr. 14 1866	Apr. 13 1867	Apr. 11 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 17, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	42°·4	40°·7	44°·2	43°·8	49°·5	48°·9	52°·4	47°·8	46°·7	45°·7	46°·2	Mean Temp. 55°·2						
	ALL CAUSES . . .	1084	1407	1209	1252	1610	1523	1533	1552	1372	1274	1381·6	1595†	662	767	230	253	280	54
	SPECIFIED CAUSES .	1078	1398	1200	1241	1600	1495	1511	1546	1361	1271	1370·1	1580	660	765	229	252	280	54
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	229	226	244	303	442	328	329	352	262	250	296·5	320	219	249	31	23	15	2
II.	CONSTITUTIONAL „ .	247	285	287	262	308	277	295	346	256	263	282·6	312	68	108	103	72	27	2
III.	LOCAL „ .	446	669	488	499	651	669	675	656	599	579	593·1	705	256	283	79	139	183	21
IV.	DEVELOPMENTAL „ .	117	170	132	139	148	165	169	154	185	147	152·6	190	101	102	9	3	48	28
V.	VIOLENT DEATHS . .	39	48	49	38	51	56	43	38	59	32	45·3	53	16	23	7	15	7	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	205	199	223	282	413	304	310	330	245	220	273·1	290	194	224	28	21	15	2
	2. ENTHETIC „ . .	7	5	4	3	8	10	2	9	6	14	6·8	11	10	10	1	..	..	..
	3. DIETIC „ . .	15	21	14	16	19	13	14	9	8	12	14·1	13	10	10	1	2	..	..
	4. PARASITIC „ . .	2	1	3	2	2	1	3	4	3	4	2·5	6	5	5	1	..	..	..
II.	1. DIATHETIC „ . .	45	38	53	51	56	38	39	58	42	43	46·3	49	..	..	9	22	16	2
	2. TUBERCULAR „ . .	202	247	234	211	252	239	256	288	214	220	236·3	263	68	108	94	50	11	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	142	170	128	135	143	163	176	166	182	180	158·5	192	99	101	22	23	45	1
	2. „ OF ORGANS OF CIRCULATION .	43	65	60	59	69	80	64	82	64	60	64·6	72	..	8	13	23	25	3
	3. „ OF RESPIRATORY ORGANS . .	199	358	209	228	326	337	358	311	248	255	282·9	335	144	154	21	62	86	12
	4. „ OF DIGESTIVE ORGANS . .	42	44	59	49	70	44	54	58	50	52	52·2	62	8	12	10	18	18	4
	5. „ OF URINARY ORGANS . . .	10	14	14	13	22	32	9	25	36	18	19·3	26	..	1	7	11	6	1
	6. „ OF ORGANS OF GENERATION .	4	6	8	5	6	3	3	3	4	3	4·5	4	..	..	2	..	2	..
	7. „ OF ORGANS OF LOCOMOTION .	2	7	4	5	7	3	4	10	6	5	5·3	6	2	4	2	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	4	5	6	5	8	7	7	1	9	6	5·8	8	3	3	2	2	1	..
IV.	1. DEV. DISEASES OF CHILDREN	36	50	33	45	42	49	36	34	50	31	40·6	54	54	54	..	..	..	..
	2. „ OF ADULTS . .	4	5	6	2	3	3	9	4	7	5	4·8	9	..	..	8	1	..	..
	3. „ OF OLD PEOPLE	41	54	39	42	61	55	65	50	48	45	50·0	68	..	..	..	..	40	28
	4. DISEASES OF NUTRITION .	36	61	54	50	42	58	59	66	80	66	57·2	59	47	48	1	2	8	..
V.	1. ACCIDENT OR NEGLIGENCE .	32	35	40	28	42	46	34	29	47	24	35·7	42	14	21	5	12	3	1
*	3. HOMICIDE	..	4	1	3	1	3	2	5	4	4	2·7	2	1	1	1	..	..	..
	4. SUICIDE	7	9	8	7	8	7	7	4	8	4	6·9	8	..	..	1	3	4	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	2	2	3	4	4	8	3	..	3	..	2·9	1	..	..	1	..	..	..
	CAUSES NOT SPECIFIED . .	4	7	6	7	6	20	19	6	8	3	8·6	14†	2	2	..	1	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

† An average of 11 is added, without distinction of ages. See note *, page 120.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 16 1859	Apr. 14 1860	Apr. 13 1861	Apr. 12 1862	Apr. 11 1863	Apr. 16 1864	Apr. 15 1865	Apr. 14 1866	Apr. 13 1867	Apr. 11 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 17, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	42°4	40°7	44°2	43°8	49°5	48°9	52°4	47°8	46°7	45°7	46°2	Mean Temp. 55°2						
I.	ORDER 1.																		
	1. Small-pox	16	21	3	2	68	19	14	31	45	18	23·7	2	1	2	..	..	..	..
	2. Measles	16	21	16	26	69	55	16	55	13	49	33·6	28	26	28	..	..	..	..
	3. Scarlet Fever (Scarlatina)	42	20	20	54	86	44	33	27	25	16	36·7	41	32	41	..	..	..	..
	4. Diphtheria	9	8	9	22	19	13	13	3	7	8	11·1	3	3	3	..	..	..	..
	5. Quinsy	..	2	..	1	3	1	2	..	1	..	1·0	1	..	..	1	..	..	..
	6. Croup	10	6	21	13	27	15	15	14	19	23	16·3	10	10	10	..	..	..	..
	7. Whooping-cough	56	60	94	49	63	60	92	98	50	50	67·2	103	99	103	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	24	24	26	82	45	59	72	66	54	31	48·3	24 14 17	.. 1 8	3 7 11	8 6 3	12 .. 1	1 1 2	.. .. ..
	9. Erysipelas	7	5	2	11	5	10	7	9	4	4	6·4	9	1	1	1	1	6	..
	10. Puerperal Fever (Metria)	2	4	..	..	5	7	..	1	3	2	2·4	3	..	..	3	..	..	..
	11. Carbuncle	1	1	1	2	1	..	2	1	..	1	1·0	..	..	..	..	..	..	..
	12. Influenza	3	4	1	1	1	..	..	1	1	..	1·2	..	..	..	..	..	..	..
	13. Dysentery	4	3	2	1	..	1	1	2	..	..	1·4	1	..	..	..	1	..	..
	14. Diarrhœa	7	9	17	8	14	11	18	16	18	10	12·8	21	13	13	2	..	4	2
	15. Simple Cholera	..	..	1	..	..	..	1	..	..	1	·3	..	..	..	..	..	..	..
	16. Ague	1	1	..	..	..	..	4	..	1	1	·8	..	..	..	..	..	..	..
	17. Remittent fever	1	3	5	..	4	2	2	..	..	..	1·7	..	..	..	..	..	..	..
	18. Rheumatism	6	7	5	10	3	7	18	6	4	6	7·2	13	..	2	4	6	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	7	3	3	2	6	10	2	9	5	13	6·0	10	10	10	..	..	..	..
	2. Stricture of Urethra	..	2	1	1	2	..	..	..	1	1	·8	1	..	..	1	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	1	..	3	1	3	1	..	1	1	1·1	..	..	..	..	..	..	..
	2. Want of Breast-milk	7	12	8	9	10	6	7	6	3	9	7·7	9	9	9	..	..	..	..
	3. Purpura and Scurvy	1	3	3	..	3	3	1	..	3	1	1·8	3	1	1	..	2	..	..
	4. Alcoholism *a* Del. Tremens	4	2	2	3	3	1	2	1	..	1	1·9	1	..	..	1	..	..	..
	4. Alcoholism *b* Intemperance	3	3	1	1	2	..	3	2	1	..	1·6	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	2	1	3	2	..	1	3	4	3	3	2·2	5	5	5	..	..	..	..
	2. Worms, &c.	..	..	..	..	2	..	..	..	..	1	·3	1	..	..	1	..	..	..
II.	ORDER 1.																		
	1. Gout	2	1	4	2	1	..	3	..	3	1	1·7	4	..	..	1	3	..	..
	2. Dropsy	9	7	17	16	17	16	16	23	14	11	14·6	12	..	..	1	3	7	1
	3. Cancer	28	22	28	25	30	15	18	32	19	28	24·5	32	..	..	7	16	8	1
	4. Cancrum Oris (Noma)	1	1	..	1	1	..	..	1	1	..	·6	..	..	..	..	..	..	..
	5. Mortification	5	7	4	7	7	7	2	2	5	3	4·9	1	..	..	..	..	1	..
	ORDER 2.																		
	1. Scrofula	12	14	7	10	11	3	12	5	11	14	9·9	11	5	7	1	2	1	..
	2. Tabes Mesenterica	10	19	14	13	20	17	17	27	13	13	16·3	26	23	26	..	..	..	..
	3. Phthisis	145	179	176	154	182	168	179	218	172	168	174·1	192	12	41	93	48	10	..
	4. Hydrocephalus	35	35	37	34	39	51	48	38	18	25	36·0	34	28	34	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	17	16	8	16	9	15	14	20	24	16	15·5	19	12	13	5	1	..	..
	2. Apoplexy	28	27	23	29	29	35	29	32	37	29	29·8	30	3	3	7	13	7	..
	3. Paralysis	24	36	26	22	25	30	34	30	33	32	29·2	35	..	..	3	5	26	1
	4. Insanity	..	..	..	1	3	4	3	4	5	3	2·3	..	..	..	..	..	..	..
	5. Chorea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	6. Epilepsy	7	7	4	6	10	5	12	5	8	4	6·8	3	..	..	3	..	..	..
	7. Convulsions	38	62	47	43	43	59	56	61	49	79	53·7	84	83	83	..	..	1	..
	8. *Brain Disease, &c.*	28	22	20	18	24	15	28	14	26	17	21·2	21	1	2	4	4	11	..
	ORDER 2.																		
	1. Pericarditis	1	..	2	5	4	4	2	2	3	2	2·5	1	..	1	..	..	..	..
	2. Aneurism	..	1	1	2	1	2	4	6	2	5	2·4	4	..	1	1	1	1	..
	3. *Heart Disease, &c.*	42	64	57	52	64	74	58	74	59	53	59·7	67	..	6	12	22	24	3
	ORDER 3.																		
	1. Laryngitis	7	10	3	6	14	13	11	13	16	11	10·4	16	13	14	..	2	..	..
	2. Bronchitis	113	208	115	129	174	173	224	153	144	143	157·6	191	64	67	3	40	70	11
	3. Pleurisy	3	7	5	2	6	8	4	3	3	4	4·5	4	..	..	1	3	..	..
	4. Pneumonia	62	116	63	70	110	116	99	107	58	79	88·0	95	61	66	15	10	3	1
	5. Asthma	9	9	13	10	10	10	6	22	11	7	10·7	16	..	1	1	5	9	..
	6. *Lung Disease, &c.*	5	8	10	11	12	17	14	13	16	11	11·7	13	6	6	1	2	4	..
	ORDER 4.																		
	1. Gastritis	2	..	2	1	2	1	..	2	1	1	1·2	1	..	..	..	1	..	..
	2. Enteritis	5	5	4	5	6	6	5	8	6	4	5·4	4	1	1	..	1	2	..
	3. Peritonitis	3	5	3	7	5	4	3	4	4	11	4·9	5	..	2	2	1	..	..
	4. Ascites	2	3	2	..	3	1	1	4	1	2	1·9	4	..	..	..	2	1	1
	5. Ulceration of Intestines	2	1	1	1	4	3	2	..	2	2	1·8	2	..	..	1	1	..	..
	6. Hernia	3	2	3	5	5	3	3	3	3	2	3·2	6	1	1	1	..	3	1
	7. Ileus	2	2	2	3	6	1	3	1	5	4	2·9	1	..	..	1	..	..	..
	8. Intussusception	1	2	..	2	..	1	2	1	..	..	·9	1	1	1	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

n the FIFTEENTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 16 1859	Apr. 14 1860	Apr. 13 1861	Apr. 12 1862	Apr. 11 1863	Apr. 16 1864	Apr. 15 1865	Apr. 14 1866	Apr. 13 1867	Apr. 11 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 17, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	42°·4	40°·7	44°·2	43°·8	49°·5	48°·9	52°·4	47°·8	46°·7	45°·7	46°·2	Mean Temp. 55°·2						
	9. Stricture of Intestines	..	..	1	2	3	2	..	..	..	..	·8	..	..	..	..	..	..	..
	10. Fistula	1	..	..	..	..	..	2	1	1	..	·5	1	..	..	..	1	..	..
	11. *Stomach Disease, &c.*	2	6	7	4	10	1	10	9	7	3	5·9	7	..	1	1	2	3	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	2	..	..	·2	..	..	..	..	..	..	..
	13. Hepatitis	2	1	7	4	4	4	1	9	2	1	3·5	4	..	..	1	1	2	..
	14. Jaundice	1	5	8	1	4	5	6	1	1	3	3·5	4	1	1	1	..	1	1
	15. *Liver Disease, &c.*	15	12	19	13	18	12	16	13	16	19	15·3	21	4	5	2	8	6	..
	16. *Spleen Disease, &c.*	1	..	..	1	..	..	..	..	1	..	·3	1	..	..	..	..	..	1
	ORDER 5.																		
	1. Nephritis	..	1	..	..	..	1	..	1	3	2	·8	..	..	..	..	..	..	..
	2. Ischuria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	6	7	6	5	9	15	3	8	13	5	7·7	15	..	1	4	7	3	..
	4. Diabetes	1	1	2	3	1	3	1	4	2	2	2·0	1	..	..	1	..	..	..
	5. Calculus (Stone)	..	..	..	1	1	..	1	..	1	1	·5	..	..	..	..	..	..	..
	6. Cystitis	..	..	1	2	4	1	2	1	1	..	1·2	2	..	..	..	..	1	1
	7. *Kidney Disease, &c.*	3	5	5	2	7	12	2	11	16	8	7·1	8	..	..	2	4	2	..
	ORDER 6.																		
	1. Ovarian Dropsy	2	..	4	..	2	2	1	..	1	1	1·3	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	2	6	4	5	4	1	2	3	3	2	3·2	4	..	..	2	..	2	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	1	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	2	6	4	5	7	3	4	10	6	5	5·2	6	2	4	2	..	..	..
	ORDER 8.																		
	1. Phlegmon	1	2	4	1	3	2	..	1	8	4	2·6	4	..	..	2	1	1	..
	2. Ulcer	2	2	1	1	3	..	3	..	..	1	1·3	2	1	1	..	1	..	..
	3. *Skin Disease, &c.*	1	1	1	3	2	5	4	..	1	1	1·9	2	2	2	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	13	26	14	15	19	27	9	14	20	13	17·0	19	19	19	..	..	..	..
	2. Cyanosis	1	..	2	3	1	3	2	1	1	2	1·6	2	2	2	..	..	..	..
	3. Spina Bifida	1	1	2	3	2	..	..	1	1	1	1·2	1	1	1	..	..	..	..
	4. Other Malformations	1	1	..	4	2	2	3	3	5	1	2·2	1	1	1	..	..	..	..
	5. Teething	20	22	15	20	18	17	22	15	23	14	18·6	31	31	31	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	1	..	..	..	..	..	..	..	·1	1	..	..	..	1	..	..
	2. Childbirth (*see* Puerperal Fev.)	4	5	5	2	3	3	9	4	7	5	4·7	8	..	..	8	..	..	..
	ORDER 3.																		
	1. Old Age	41	54	39	42	61	55	65	50	48	45	50·0	68	..	..	..	..	40	28
	ORDER 4.																		
	1. Atrophy and Debility	36	61	54	50	42	58	59	66	80	66	57·2	59	47	48	1	2	8	..
V.	ORDER 1. (ACCIDENT OR NEGLIGENCE.)																		
	1. Fractures and Contusions	13	9	18	10	9	26	18	15	20	12	15·0	15	2	3	4	7	1	..
	2. Wounds	1	1	1	4	..	2	..	..	1	..	1·0	1	..	..	..	1	..	..
	3. Burns and Scalds	2	5	8	4	4	7	4	5	7	5	5·1	8	5	6	..	1	..	1
	4. Poison	1	..	..	..	2	..	1	..	..	1	·5	1	..	..	..	..	1	..
	5. Drowning	8	9	3	6	10	6	4	4	8	4	6·2	10	1	6	1	2	1	..
	6. Suffocation	5	10	7	3	14	3	5	3	11	2	6·3	5	5	5	..	..	..	..
	7. Otherwise	2	1	3	1	3	2	2	2	..	..	1·6	2	1	1	..	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	..	4	1	3	1	3	2	5	4	4	2·7	2	1	1	1	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	1	..	..	..	..	..	·1	1	..	..	..	1	..	..
	1. Wounds { Cut, Stab	3	1	1	1	2	3	1	1	..	1	1·4	2	..	..	1	..	1	..
	2. Poison	..	2	..	2	1	2	1	..	2	2	1·2	2	..	..	..	2	..	..
	3. Drowning	..	1	..	..	1	..	..	1	2	..	·5	2	..	..	..	..	2	..
	4. Hanging	4	5	6	4	3	2	4	2	3	1	3·4	1	..	..	..	..	1	..
	5. Otherwise	..	..	1	..	..	..	1	..	1	..	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..
	Sudden Deaths (Cause unascertained)	2	2	3	4	4	8	3	..	3	..	2·9	1	..	..	1	..	..	..
	Causes not specified or ill-defined	4	7	6	7	6	20	19	6	8	3	8·6	14†	2	2	..	1	..	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 11 is added, without distinction of ages. See note *, page 120.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 17th April 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
April.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	11	In Equator	29·982	77·9	37·9	40·0	58·8	52·3	125·2	32·1	..	..	6·5	23·1	0·0	+13·7	79	ENE. & ESE.	SSE. & SSW.	0·3	0·0	0·0	142	0·00	3
Monday . .	12	New	30·092	75·5	51·1	24·4	61·8	51·1	125·7	46·7	53·4	51·4	10·7	21·2	0·0	+16·8	68	S. & SW.	WSW.	1·3	0·0	0·1	234	0·00	2
Tuesday .	13	..	30·092	74·9	48·2	26·7	59·2	50·7	124·6	44·1	52·9	50·4	8·5	20·2	1·5	+14·3	74	WSW. & SW.	SW. S. & SSE.	0·0	0·0	0·0	142	0·00	1
Wednesday	14	..	29·770	79·1	46·9	32·2	62·0	53·5	124·9	40·0	53·4	51·4	8·5	25·2	0·0	+17·0	74	ENE.	S. & SW.	3·0	0·0	0·2	195	0·00	2
Thursday.	15	..	29·535	63·5	48·5	15·0	52·6	49·5	89·3	43·0	54·4	52·4	3·1	11·7	0·0	+ 7·3	89	SW.	SW. & SSW.	3·0	0·0	0·5	333	0·09	5
Friday . .	16	..	29·064	56·7	42·7	14·0	46·9	44·7	88·5	37·5	55·4	53·4	2·2	9·9	0·0	+ 1·4	92	SW & SSW.	SW.	11·2	0·1	1·1	474	0·13	7
Saturday.	17	..	29·235	49·5	43·1	6·4	45·3	42·7	62·4	42·6	53·4	51·4	2·6	6·0	0·0	— 0·4	90	WNW. & NW.	NNW. & N.	6·0	0·0	1·0	460	0·33	1
Means . .		..	29·682	68·2	45·5	22·7	55·2	49·2	105·8	40·9	(6 days) 53·8	(6 days) 51·7	6·0	16·8	0·2	+10·0	81	Variable.		..	..	..	Sum 1980	Sum 0·46	3·0
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. April.		Electricity.	Sky and Atmosphere.
Sunday .	11	Positive, with weak tension.	A very fine day; light cloud prevailed till evening; cloudless afterwards.
Monday .	12	Very weak positive was generally shown.	A very fine day; generally cloudless.
Tuesday .	13	Very weak positive was shown, except at night, when there was no electricity.	A very fine day; thin cloud prevailed during the morning; cloudless afterwards.
Wednesday	14	During the morning negative with moderate tension was shown; afterwards weak positive was shown.	A fine day; partially cloudy.
Thursday .	15	Weak positive in the morning, no electricity at other times.	Generally cloudy. Thin rain fell at times. Auroral light was seen at night, and the magnets were greatly disturbed. At Liverpool the aurora was very brilliant.
Friday .	16	The insulating lamp was not burning.	The magnetic disturbance continued during the morning, and a fine aurora was seen about 3h. A.M.; afterwards the sky was overcast, and frequent showers of rain fell.
Saturday .	17		Overcast. Rain fell heavily.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·94 in. at the beginning of the week to 30·16 in. by 9h. A.M. on the 13th; decreased to 29·00 in. by 9h. P.M. on the 16th; and was 29·40 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 16. 1869. Vol. XXX.] Week ending Saturday, April 24. [Price 1½d.

General Register Office, Somerset House,
26th April 1869.

In the week that ended on Saturday, 24th April, 4698 births, and 3070 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom.

The deaths in the Fourteen Towns showed a decline of 446 upon the previous week, and the annual rate of mortality fell to 24 per 1000 persons living; whereas in the five preceding weeks it had ranged between 27 and 30. The death-rate in these towns was considerably lower last week than in any previous week this year.

The annual rate of mortality last week was 23 per 1000 in London, 28 in Edinburgh, and 25 in Dublin; 22 in Bristol, 16 in Birmingham, 26 in Liverpool, 26 in Manchester, 22 in Salford, 27 in Sheffield, 24 in Bradford, 29 in Leeds, 23 in Hull, 21 in Newcastle-upon-Tyne, and 37 in Glasgow. The rate in Vienna was 35 per 1000 during the week ending the 17th inst., and in Berlin 27 per 1000 during the seven days ending the 22d instant.

Fatal cases of small-pox were reported last week in Manchester and in Hull.

In London the births of 1134 boys and 1074 girls, in all 2208 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2230.

The deaths registered in London during the week were 1377. It was the sixteenth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1490. The deaths in the present return are less by 113 than the estimated amount, and are less by 218 than the number recorded in the preceding week.

The deaths from zymotic diseases were 307, the corrected average number being 329. Four deaths from small-pox, 18 from measles, 38 from scarlet fever, 6 from diphtheria, 97 from whooping-cough, 24 from typhus fever, 19 from enteric fever, 10 from simple continued fever, and 21 from diarrhœa were registered.

Six deaths from scarlet fever were recorded in the sub-district of St. Mary Paddington, 2 in the sub-district of Kensington Town, 2 in the sub-district of St. George the Martyr Holborn, and 5 in the sub-district of Poplar.

Three deaths from whooping-cough were registered in the sub-district of Kensington Town, 3 in the sub-district of Chelsea North-west, 6 in the sub-district of Islington West, 4 in the sub-district of West Hackney, 4 in the sub-district of Hackney-road Bethnal-green, 3 in the sub-district of Trinity Newington, 5 in the sub-district of Peckham, and 3 in the sub-district of St. George Camberwell.

Eight persons died from fever in the West districts, 16 in the North (where the London Fever Hospital is situated), 7 in the Central, 12 in the East, and 10 in the South districts.

One hundred and eighty-four deaths occurred from phthisis, 147 from bronchitis, and 86 from pneumonia. The corrected average number of deaths from phthisis is 192, from bronchitis 153, and from pneumonia 93. In the preceding week which ended 17th April, the deaths from these diseases were 192, 191, and 95 respectively.

The deaths of 3 persons from alcoholism, of 14 infants and 2 adults from syphilis, of 3 children and 2 adults from burns or scalds, of 2 persons from drowning, of 7 infants from suffocation, and of 7 persons who committed suicide were registered.

A carter, aged 72 years, died on 20th April in the Royal Free Hospital, from "fracture of leg by being knocked down and run over by a horse and cart." *Post mort.*

A shipwright, aged 33 years, died on 20th April at 35 Woolmore-street, Poplar, from "diarrhœa (2 days), his disease accelerated no doubt by want."

Four nonagenarians died during the week, and a widow died at Queens'-terrace, Marylebone, at the age (as stated) of 100 years.

The waters supplied by the Metropolitan Companies during the month of April contained (according to Professor Frankland's analysis) in 100,000 tons, foreign solid matters amounting to 30 tons in the Chelsea water, 29 in the West Middlesex, 29 in the Southwark and Vauxhall, 29 in the Grand Junction, 29 in the Lambeth, 28 in the New River, 30 in the East London, and 42 in the Kent. 100,000 tons of the Chelsea water contained 23 tons, the West Middlesex 24 tons, the Southwark and Vauxhall 24 tons, the Grand Junction 24 tons, the Lambeth 24 tons, the New River 25 tons, the East London 25 tons, and the Kent 32 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients. A sample of Thames water taken at London Bridge, in mid-stream at low water, and filtered, contained on analysis, in 100,000 tons, foreign solid matters amounting to 34 tons, and 27 tons of carbonate of lime, or an equivalent quantity of other soap destroying ingredients.

Professor Frankland remarks: "The waters delivered by the Southwark, "Lambeth, and East London Companies were slightly turbid; those supplied by "the remaining companies were perfectly clear. The suspended matter of all the "turbid samples was full of living organisms. The results of the analysis of the "Thames at London Bridge at low water strikingly exhibit the very great "improvement which has been effected in the river by the main drainage works."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·873 in. The barometrical reading increased from 29·40 in. at the beginning of the week, to 30·00 in. on Monday, 19th April. The mean temperature of the air in the week was 50·3°, which is 3·4° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 66·3° on Thursday, 22d April. The lowest night temperature was 32·9° on Monday, 19th April. The entire range of temperature in the week was, therefore, 33·4°. The mean of the highest temperatures of the water of the Thames was 53·8°; that of the lowest was 52·1°. The difference between the mean dew-point temperature and air temperature was 5·1°. The mean degree of humidity of the air was 83, complete saturation being represented by 100. Rain fell to the amount of 0·25 in. The general direction of the wind was variable. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness, was 196,226 cubic metres, and at Barking 129,680 cubic metres, equivalent to about as many tons by weight.

Royal College of Chemistry,
24th April 1869.

Sir,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of April. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Glasgow, Newcastle, Manchester, Preston, Lancaster, Bristol, and Dublin, and by Thames water taken at London Bridge at low water.

The waters delivered by the Southwark, Lambeth, and East London Companies were slightly turbid; those supplied by the remaining companies were perfectly clear. The suspended matter of all the turbid samples was full of living organisms. The results of the analysis of the Thames at London Bridge at low water strikingly exhibit the very great improvement which has been effected in the river by the main drainage works.

I have, &c.

E. Frankland.

The Registrar General,
&c. &c. &c.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	13th April; Cab Rank, Horse Guards	12·2	29·5	·132	·026	·000	·280	·306	2480	2·00	23·2
West Middlesex	13th April, Cab Rank, Portland-road	12·8	28·5	·116	·025	·000	·250	·275	2180	1·65	23·5
Southwark and Vauxhall	13th April, Cab Rank, St. George's Church, Borough	13·9	28·9	·209	·037	·001	·229	·267	1980	1·65	24·1
Grand Junction	13th April, Cab Rank, Woodstock-st.	12·5	29·2	·126	·026	·001	·275	·302	2440	1·60	24·1
Lambeth	13th April, Cab Rank, Lambeth-road	12·8	28·5	·121	·026	·000	·287	·313	2550	1·85	24·1
OTHER SOURCES.											
New River	13th April, Cab Rank, Tottenham-court-road	12·0	28·4	·068	·020	·000	·286	·306	2540	1·75	24·5
East London	15th April, Slater's Lamp Black Works, Old Ford-road	13·3	30·0	·100	·030	·001	·274	·305	2430	1·84	24·5
Kent	13th April, Deptfd. Bdge, Police Stat.	13·7	42·0	·030	·012	·000	·373	·385	3410	2·45	31·8
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July, Glasgow		3·0	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June, Manchester		6·2	·183	·009	·006	·025	·039	0	1·117	3·7
Preston	August, Preston		12·44	·236	·031	·006	·000	·036	0	1·590	8·9
Lancaster	November, Lancaster		4·58	·129	·022	·001	·000	·023	0	·993	·87
BRISTOL WATERS	All Saint's Lane, Feb. 1869		127·28	·186	·030	·001	4·712	4·743	46910	7·1	66·92
	Bristol Waterworks, Feb. 1869		28·66	·160	·017	·001	·203	·221	1720	1·3	24·46
*DUBLIN WATERS.											
Vartry Water	Dublin, 14th April 1869		6·34	·238	·024	·001	·000	·025	0	1·24	2·97
Cartan's Pump Water			81·62	·089	·034	·000	2·865	2·899	28330	8·30	41·38
Thames Water filtered	London Bridge, mid-stream at low Water, 2d April 1869		34·40	·304	·027	·120	·167	·293	2340	1·83	26·65
Column 1	2	3	4	5	6	7	8	9	10	11	12

* Dr. Mapother, the Medical Officer of Health for Dublin, who kindly collected these samples for me, states, that the Vartry water is the new Dublin water supply brought from a distance of 30 miles; it is of excellent quality. The River Vartry flows through a wild and uncultivated district. Of the wells (about 20) in Dublin, Cartan's is the most extensively used.

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water col-

lected on the 13th April at the Horse Guards cab rank had a temperature of 12·2° C.; 100,000 lbs. of it contained 29·5 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·132 lb. of carbon and ·026 lb. of nitrogen. This solid impurity also contained ·280 lb. of nitrogen in the form of nitrates and nitrites, whilst the total amount of *combined* nitrogen in every form was ·306 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 2480 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. Finally, 100,000 lbs. of the Chelsea Company's water contained 23·2 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Sixteenth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1699	1757	1961	1916	2080	2000	2134	2244	2034	2453	2027·8	2208
Males . .	860	923	1007	955	1052	1033	1076	1161	1026	1248	1034·1	1134
Females .	839	834	954	961	1028	967	1058	1083	1008	1205	993·7	1074
Total Deaths	1126	1284	1210	1331	1437	1384	1496	1517	1223	1539	1354·7	1377
Males . .	568	624	639	688	746	690	739	814	643	804	695·5	692
Females .	558	660	571	643	691	694	757	703	580	735	659·2	685

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Jan. 30.	Feb. 6.	Feb. 13.	Feb. 20.	Feb. 27.	Mar. 6.	Mar. 13.	Mar. 20.	Mar. 27.	Apr. 3.	Apr. 10.	Apr. 17.	Apr. 24.
Deaths - - -	1737	1631	1426	1491	1419	1487	1519	1549	1590	1670	1550	1595	1377
Deaths under 5 years of age -	614	624	570	572	535	592	615	582	603	678	601	662	614
Deaths under 20 years of age	724	723	670	697	647	682	721	698	703	786	698	772	696
Deaths 20—40 - - -	222	221	218	223	208	217	199	204	228	211	215	235	199
Deaths 40—60 - - -	323	276	235	268	253	279	254	268	289	282	260	254	211
Deaths at 60 years of age and upwards - - -	468	411	303	303	311	309	345	379	370	391	377	334	271
Deaths from Small-pox -	5	9	6	6	2	6	7	3	2	4	4	2	4
„ „ Measles - -	26	17	25	15	12	25	27	20	30	31	34	28	18
„ „ Scarlet Fever -	53	45	56	39	43	56	39	33	43	44	39	41	38
„ „ Diphtheria -	6	3	9	10	7	4	6	5	4	6	5	3	6
„ „ Whooping-cough	85	64	72	82	50	65	81	67	71	73	85	103	97
„ „ Typhus fever -	24	15	20	23	26	15	19	20	14	20	17	24	24
„ „ Enteric fever -	30	36	21	37	18	26	27	26	21	21	19	14	19
„ „ SimpleContdfever	15	12	14	19	20	11	17	16	22	16	12	17	10
„ „ Diarrhœa - -	12	9	8	14	9	18	19	13	16	19	12	21	21
„ „ Phthisis - -	194	174	144	189	184	161	176	187	197	179	195	192	184
„ „ Bronchitis - -	293	275	209	171	185	196	230	244	262	269	249	191	147
„ „ Pneumonia -	100	102	84	74	78	98	90	99	103	102	104	95	86
„ „ Heart Disease -	95	81	78	77	72	60	74	74	80	82	65	67	50
Mean Temperature of the Air	40°·7	49°·2	47°·5	45°·5	40°·9	39°·1	35°·6	36°·9	38°·7	39°·0	47°·1	55°·2	50°·3
Mean Temperature of the Water of the Thames -	37·6	44·9	47·0	45·0	43·3	42·2	40·8	38·8	41·0	40·7	43·8	52·7	52·9
Humidity of the Air - -	77	85	86	83	82	76	82	84	84	83	88	81	83
Rain-fall in inches - -	1·03	0·65	0·97	0·17	0·70	0·47	0·04	0·57	0·27	0·24	0·17	0·46	0·25

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 24th day of April 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births.		Deaths.		Temperature of the Air. (Fahrenheit.)			Rain Fall.		Temperature of the Air. (Centigrade.)			Rain Fall per Hectare in Metric Tons.
			Corrected Average Weekly Number in 10 Years 1851-60.	Registered during the Week ending 24th April.	Corrected Average Weekly Number in 10 Years 1851-60.	Registered during the Week ending 24th April.	Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	In Inches.	In Tons per Acre.	Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4698**	**3244**	**3070**	**66·3**	**32·0**	**48·4**	**0·39**	**39**	**19·06**	**00·0**	**9·11**	**99**
London (Metropolis)	3,170,754	40·7	2070	2208	1462	1377	66·3	32·9	50·3	0·25	25	19·06	0·50	10·17	63
Bristol (City)	169,423	36·1	109	127	76	72 *	65·5	32·4	48·4	0·17	17	18·61	0·22	9·11	43
Birmingham (Borough)	360,846	46·1	283	242	175	114	62·1	38·2	48·4	0·79	80	16·73	3·44	9·11	200
Liverpool (Borough)	509,052	99·7	345	347	295	256	61·9	35·5	48·7	0·52	53	16·61	1·95	9·28	132
Manchester (City)	370,892	82·7	277	253	210	188 *	63·9	32·0	49·1	0·61	62	17·72	0·00	9·50	155
Salford (Borough)	119,350	23·1	89	105	60	50	62·2	32·0	47·3	0·64	65	16·78	0·00	8·50	163
Sheffield (Borough)	239,752	10·5	196	163	126	123	62·0	32·7	48·0	0·29	29	16·67	0·39	8·89	74
Bradford (Borough)	138,522	21·0	105	129	71	65	62·2	34·8	48·0	0·16	16	16·78	1·56	8·89	41
Leeds (Borough)	253,110	11·7	189	253	129	139	63·0	32·0	47·3	0·35	35	17·22	0·00	8·50	89
Hull (Borough)	126,682	35·6	83	82	59	57	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	89	69	53	60·0	33·0	46·8	0·53	54	15·56	0·56	8·23	135
Edinburgh (City)	178,002	40·2	112	134	86	96	63·7	33·0	48·3	0·10	10	17·61	0·56	9·06	25
Glasgow (City)	458,937	90·6	374	398	268	329	59·0	35·2	48·3	0·39	39	15·00	1·78	9·06	99
Dublin (City and some suburbs)	320,762	32·9	219	168	158	151	63·9	36·6	50·1	0·32	32	17·72	2·56	10·06	81
				Week ending 17th Apr. 1869.		Week ending 17th Apr. 1869.	Week ending 17th April 1869.					Week ending 17th April 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	375	..	..	60·8	..	..	..	..	16·00	..
				Week ending 22d Apr. 1869.		Week ending 22d Apr. 1869.	Week ending 22d April 1869.					Week ending 22d April 1869.			
Berlin (City)	(1867) 702,437	..	..	549	..	369	..	..	55·2	..	..	..	..	12·88	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandesborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 24th April 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2208	1377	4	18	38	6	97	53	21
WEST DISTRICTS -	335	234	1	1	12	1	18	8	3
NORTH DISTRICTS -	486	311	-	1	6	-	24	16	2
CENTRAL DISTRICTS -	228	182	-	5	2	-	15	7	1
EAST DISTRICTS -	458	267	-	4	12	5	15	12	9
SOUTH DISTRICTS -	701	383	3	7	6	-	25	10	6
WEST DISTRICTS.									
St. Mary Paddington *WH*	32	24	-	-	6	-	1	2	-
St. John Paddington H	15	10	-	-	-	-	-	-	-
Kensington Town *W* -	57	22	-	-	2	1	3	1	-
Brompton H - -	13	14	1	-	1	-	-	1	-
St. Peter Hammersmith	4	3	-	-	-	-	-	-	-
St. Paul Hammersmith	25	9	-	-	-	-	-	2	-
Fulham *W* - - -	24	14	-	-	-	-	2	-	-
Chelsea South H - -	18	16	-	-	1	-	2	1	-
ChelseaNorth-west H*Ww*	8	10	-	-	-	-	3	-	-
Chelsea North-east -	12	11	-	-	-	-	-	-	1
Hanover Square - -	6	5	-	-	-	-	-	-	-
May Fair *W* - -	8	6	-	-	-	-	-	-	-
Belgrave H - - -	33	19	-	-	-	-	1	-	-
St. John Westminster -	31	15	-	-	1	-	-	1	-
St. Margaret West. *WH*	15	25	-	1	-	-	1	-	1
St. James's Square -	4	2	-	-	-	-	1	-	-
Golden Square *W* -	3	16	-	-	1	-	2	-	-
Berwick-street - -	12	5	-	-	-	-	1	-	-
St. Anne Soho - -	15	8	-	-	-	-	1	-	1
NORTH DISTRICTS.									
All Souls Marylebone H	20	23	-	-	-	-	1	-	-
Cavendish Square - -	9	5	-	-	-	-	1	1	-
Rectory Marylebone *W*	9	27	-	-	1	-	2	1	-
St. Mary Marylebone -	16	16	-	-	-	-	-	-	-
Christchurch Marylebone	25	16	-	-	-	-	2	-	-
St. John Marylebone -	19	9	-	-	-	-	1	-	1
Hampstead *W* - -	13	9	-	-	-	-	-	-	-
Regent's Park Pancras -	24	12	-	-	-	-	2	-	-
Tottenham-court *w*H -	21	16	-	-	1	-	1	-	-
Gray's Inn Lane H -	20	12	-	-	-	-	-	-	-
Somers Town - -	27	18	-	-	1	-	-	1	-
Camden Town *W* -	16	9	-	-	-	-	-	-	-
Kentish Town - -	58	15	-	-	-	-	-	-	-
Islington West* *WHH*	73	49	-	1	1	-	6	12	-
Islington East *Ww* -	69	39	-	-	1	-	2	-	1
Stoke Newington - -	7	2	-	-	-	-	-	-	-
Stamford Hill - -	4	1	-	-	-	-	-	-	-
West Hackney - -	19	8	-	-	-	-	4	-	-
Hackney *WHw* - -	23	17	-	-	-	-	-	-	-
South Hackney L -	14	8	-	-	1	-	2	1	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	6	2	-	-	-	-	-	1	-
St. Giles South *W* -	23	17	-	1	-	-	1	1	-
St. Giles North - -	12	14	-	1	-	-	1	-	-
Long Acre - - -	3	4	-	-	-	-	1	-	-
Charing Cross *WH* -	1	6	-	-	-	-	-	-	-
St. Mary-le-Strand -	7	5	-	-	-	-	-	-	-
St. Clement Danes H -	15	6	-	-	-	-	-	-	-
St. George-the-Martyr H	16	20	-	-	2	-	2	-	-
St. Andrew, East Holb. *W*	7	3	-	-	-	-	-	-	-
Saffron Hill - - -	3	4	-	-	-	-	-	1	-
St. James Clerkenwell *W*	13	7	-	1	-	-	-	-	-
Amwell Clerkenwell -	12	9	-	-	-	-	-	-	-
Pentonville - - -	13	5	-	-	-	-	1	-	-
Goswell-street - -	12	6	-	-	-	-	1	-	1
Old-street - - -	10	2	-	-	-	-	-	-	-
City-road HL - -	24	10	-	-	-	-	1	-	-
Whitecross-street - -	9	8	-	1	-	-	-	-	-
Finsbury - - -	6	7	-	-	-	-	1	1	-
St. Botolph East London	8	5	-	-	-	-	-	1	-
Cripplegate - - -	12	9	-	1	-	-	1	1	-
West London North *WH*	3	15	-	-	-	-	-	-	-
West London South -	4	4	-	-	-	-	1	-	-
London City South-west	3	2	-	-	-	-	1	-	-
London City North-west	-	1	-	-	-	-	-	-	-
London City South -	3	1	-	-	-	-	-	-	-
London City South-east	-	1	-	-	-	-	1	-	-
London City North-east	3	9	-	-	-	-	2	1	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	3	3	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	7	3	-	-	-	-	-	-	-
Hoxton New Town *w* -	16	14	-	-	-	1	-	-	-
Hoxton Old Town - -	24	5	-	-	-	-	-	-	1
Haggerstone West *W* -	22	18	-	1	1	-	1	-	4
Haggerstone East - -	17	6	-	-	-	-	1	-	-
Hackney-road - -	31	10	-	-	-	-	4	-	-
Green, Bthnl. Grn. *WHL*†	32	23	-	-	-	-	-	-	1
Church, Bethnal Green -	29	13	-	1	-	1	1	1	-
Town, Bethnal Green -	11	2	-	-	1	-	-	-	-
Artillery Whitechapel -	4	2	-	-	-	-	-	-	-
Spitalfields - - -	7	8	-	-	1	-	1	2	-
Mile End New Town *W*	14	5	-	-	-	-	-	-	-
Whitechapel North -	7	7	-	1	-	-	-	-	-
Whitechapel Church H	6	8	-	-	-	-	-	1	-
Goodman's Fields - -	8	8	-	-	1	-	-	2	1
Aldgate - - - -	3	4	-	-	-	-	-	-	-
St. Mary St. Geo. East -	17	11	-	-	-	-	-	-	-
St. Paul St. Geo. East -	11	9	-	-	-	-	1	1	1
St. John St. Geo. East *W*	11	10	-	-	1	-	-	2	-
Shadwell *W* - - -	7	8	-	-	-	1	-	-	-
Ratcliff *W* - - -	11	5	-	-	1	1	1	-	-
Limehouse *W* - -	17	4	-	-	-	-	1	-	-
Mile End Old Town, West	20	14	-	-	-	-	2	1	-
Mile End Old T., East *Ww*	45	17	-	1	1	-	1	1	-
Bow *ww*L† - - -	41	23	-	-	-	1	-	1	-
Poplar *W* - - -	37	27	-	-	5	-	1	-	1
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	12	-	1	-	-	1	-	-
St. Saviour Southwark H	10	5	-	-	-	-	-	-	-
St. Olave Southwark H	2	5	-	-	-	-	-	-	-
St. John Horsleydown *W*	12	8	-	-	-	-	-	-	1
St. James Bermondsey -	41	14	-	-	1	-	-	1	-
St. Mary Magdalen *W* -	18	6	-	1	1	-	1	-	1
Leather Market - -	12	8	1	-	1	-	-	-	-
Kent-road - -	10	12	1	1	-	-	1	-	-
Borough-road *W* - -	16	18	-	-	-	-	1	1	1
London-road L - -	8	5	-	1	-	-	-	1	-
Trinity Newington -	17	11	-	-	-	-	3	-	-
St. Peter Walworth *W*	51	25	1	-	-	-	1	2	1
St. Mary Newington H	7	11	-	1	-	-	-	-	-
Waterloo-road 1st -	14	7	-	-	-	-	-	-	-
Waterloo-road 2nd -	16	8	-	-	1	-	1	1	-
Lambeth Church 1st -	13	4	-	-	-	-	1	-	-
Lambeth Church 2nd *W*	35	18	-	-	-	-	1	-	-
Kennington 1st - -	38	15	-	-	-	-	1	-	-
Kennington 2nd - -	13	8	-	-	-	-	-	-	-
Brixton - - - -	18	11	-	-	-	-	-	-	-
Norwood *W* - - -	9	3	-	-	-	-	-	-	-
Clapham - - -	14	11	-	-	-	-	-	1	-
Battersea *Ww* - -	43	23	-	-	1	-	1	1	-
Wandsworth L - -	8	5	-	-	-	-	-	-	1
Putney - - - -	8	-	-	-	-	-	-	-	-
Streatham - - -	6	-	-	-	-	-	-	-	-
Dulwich - - -	2	-	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	15	11	-	-	-	-	1	-	1
Peckham - - -	30	23	-	1	-	-	5	1	-
St. George Camberwell -	31	18	-	-	-	-	3	-	-
Rotherhithe *W* - -	11	16	-	-	-	-	1	-	-
St. Paul Deptford - -	41	11	-	-	-	-	-	-	-
St. Nicholas Deptford -	6	3	-	-	1	-	-	1	-
Greenwich West H -	20	5	-	-	-	-	-	-	-
Greenwich East *WH* -	17	16	-	1	-	-	-	-	-
Eltham - - - -	2	-	-	-	-	-	-	-	-
Lee - - - -	4	2	-	-	-	-	-	-	-
Lewisham Village *W* -	3	1	-	-	-	-	-	-	-
Sydenham - - -	13	5	-	-	-	-	1	-	-
Charlton H - - -	9	-	-	-	-	-	-	-	-
Woolwich Dockyard H	15	6	-	-	-	-	1	-	-
Woolwich Arsenal H -	15	8	-	-	-	-	-	-	-
Plumstead, West - -	11	3	-	-	-	-	-	-	-
Plumstead, East - -	8	2	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - " " Tottenham-court sub-district.
West London - - " " Islington East.
East London - - " " Hackney sub-district.
St. Luke Middlesex - " " Hoxton New Town sub-district.
London City - - " " Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - " " Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the SIXTEENTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 23 1859	Apr. 21 1860	Apr. 20 1861	Apr. 19 1862	Apr. 18 1863	Apr. 23 1864	Apr. 22 1865	Apr. 21 1866	Apr. 20 1867	Apr. 18 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 24, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	41°·0	42°·3	45°·4	43°·5	50°·6	53°·3	56°·0	50°·8	50°·9	45°·7	48°·0	Mean Temp. 50°·3						
	ALL CAUSES . . .	1126	1284	1210	1331	1437	1384	1496	1517	1223	1539	1354·7	1377	614	696	199	211	226	45
	SPECIFIED CAUSES .	1119	1278	1191	1326	1398	1362	1494	1509	1215	1535	1342·7	1372	611	693	198	210	226	45
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	251	244	239	362	432	312	294	327	222	311	299·4	307	206	241	30	22	12	2
II.	CONSTITUTIONAL „ .	260	303	281	276	246	262	298	298	292	339	285·5	282	67	87	105	60	28	2
III.	LOCAL „ .	458	527	486	509	530	558	685	662	498	676	558·9	563	214	239	49	117	147	16
IV.	DEVELOPMENTAL „ .	125	142	150	150	144	182	179	148	160	167	154·7	173	106	106	7	1	34	25
V.	VIOLENT DEATHS . .	25	62	35	29	46	48	38	74	43	42	44·2	42	18	20	7	10	5	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	235	223	217	335	408	277	272	299	203	280	274·9	276	185	220	24	20	11	1
	2. ENTHETIC „ . .	7	6	6	9	8	13	6	12	4	11	8·2	17	14	14	1	1	1	..
	3. DIETIC „ . .	7	15	14	17	13	18	16	13	8	17	13·8	12	7	7	3	1	..	1
	4. PARASITIC „ . .	2	..	2	1	3	4	..	3	7	3	2·5	2	..	..	2	..	..	..
II.	1. DIATHETIC „ . .	45	54	56	48	39	37	59	55	53	55	50·1	43	3	3	5	17	16	2
	2. TUBERCULAR „ . .	215	249	225	228	207	225	239	243	239	284	235·4	239	64	84	100	43	12	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	118	149	129	140	144	153	177	181	147	194	153·2	155	69	75	9	27	40	4
	2. „ OF ORGANS OF CIRCULATION .	60	51	40	53	59	51	74	70	60	79	59·7	53	..	2	11	19	18	3
	3. „ OF RESPIRATORY ORGANS . .	201	253	229	241	237	266	338	295	203	311	257·4	277	135	144	16	47	63	7
	4. „ OF DIGESTIVE ORGANS . . .	54	37	48	54	54	47	56	67	48	48	51·3	47	6	8	8	14	16	1
	5. „ OF URINARY ORGANS . . .	15	21	22	15	17	20	22	25	21	28	20·6	21	..	3	4	6	8	..
	6. „ OF ORGANS OF GENERATION .	3	6	3	2	6	7	3	7	8	4	4·9	3	..	1	..	1	1	..
	7. „ OF ORGANS OF LOCOMOTION .	3	5	9	2	9	5	11	9	7	9	6·9	6	2	4	..	1	1	..
	8. „ OF INTEGUMENTARY SYSTEM .	4	5	6	2	4	9	4	8	4	3	4·9	6	2	2	1	2	..	1
IV.	1. DEV. DISEASES OF CHILDREN	40	43	50	32	48	54	42	39	37	45	43·0	48	47	47	1	..	..	..
	2. „ OF ADULTS .	4	3	5	3	9	11	4	4	7	3	5·3	6	..	..	6	..	..	..
	3. „ OF OLD PEOPLE	39	48	47	59	37	60	52	48	52	60	50·2	46	..	..	..	..	21	25
	4. DISEASES OF NUTRITION .	42	48	48	56	50	57	81	57	64	59	56·2	73	59	59	..	1	13	..
V.	*1 ACCIDENT OR NEGLIGENCE .	21	49	32	23	39	42	33	57	31	33	36·0	29	13	14	4	6	5	..
	3. HOMICIDE	1	3	..	1	3	1	2	9	4	2	2·6	6	5	5	1	..	..	..
	4. SUICIDE	3	10	3	5	4	5	2	7	6	7	5·2	7	..	1	2	4	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	1	1	1	..	·3	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	2	3	3	2	6	6	1	2	3	1	2·9	2	..	..	1	1	..	..
	CAUSES NOT SPECIFIED . .	5	3	16	3	33	16	1	6	5	3	9·1	3	3	3	..	..	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 23 1859	Apr. 21 1860	Apr. 20 1861	Apr. 19 1862	Apr. 18 1863	Apr. 23 1864	Apr. 22 1865	Apr. 21 1866	Apr. 20 1867	Apr. 18 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 24, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	°41·0	°42·3	°45·4	°43·5	°50·6	°53·3	°56·0	°50·8	°50·9	°45·7	°48·0	°50·3						
I.	ORDER 1.																		
	1. Small-pox	16	20	4	3	62	7	13	24	38	18	20·5	4	2	4	..	..	..	...
	2. Measles	24	33	18	37	56	35	15	50	7	64	33·9	18	17	18	..	..	..	...
	3. Scarlet Fever (Scarlatina)	64	26	22	75	86	50	29	27	19	22	42·0	38	24	36	2	..	..	...
	4. Diphtheria	15	11	12	18	11	14	8	7	4	8	10·8	6	6	6	..	..	..	...
	5. Quinsy	1	3	2	3	2	..	..	1	..	2	1·4	..	..	..	..	..	..	.
	6. Croup	10	7	14	14	16	16	14	23	12	23	14·9	13	13	13	..	..	..	...
	7. Whooping-cough	40	51	83	59	71	59	89	84	50	73	65·9	97	94	97	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	38	33	25	79	67	60	65	48	46	36	49·7	24 19 10	3 2 2	6 10 6	8 4 1	7 4 2	3 1 1	.. .. ..
	9. Erysipelas	3	2	4	11	5	9	2	6	5	7	5·4	7	3	3	..	3	1	..
	10. Puerperal Fever (Metria)	5	..	6	5	5	4	1	3	3	6	3·8	4	..	..	4	..	..	..
	11. Carbuncle	2	1	1	..	1	3	2	..	2	..	1·2	..	..	..	..	..	..	..
	12. Influenza	3	5	1	2	..	..	1	..	..	..	1·2	1	1	1	..	..	..	..
	13. Dysentery	3	1	..	3	2	1	..	2	1	1	1·4	2	2	2	..	..	..	..
	14. Diarrhœa	4	18	13	18	15	9	26	16	8	17	14·4	21	13	13	2	3	2	1
	15. Simple Cholera	..	..	..	..	..	1	..	..	1	..	·2	..	..	..	..	..	..	...
	16. Ague	..	..	1	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	17. Remittent Fever	2	3	3	2	3	1	..	..	..	..	1·4	..	..	..	..	..	..	..
	18. Rheumatism	5	9	8	6	6	8	7	8	6	3	6·6	10	2	4	3	1	2	...
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	2	1	1	..	..	1	...
	ORDER 2.																		
	1. Syphilis	5	6	6	8	7	11	6	11	3	11	7·4	16	14	14	1	..	1	..
	2. Stricture of Urethra	2	..	..	1	1	2	..	1	1	..	·8	1	..	..	..	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	2	1	1	..	..	1	..	·5	1	..	..	1	..	..	..
	2. Want of Breast-milk	3	11	6	9	5	9	7	9	1	9	6·9	6	6	6	..	..	..	..
	3. Purpura and Scurvy	1	2	1	1	4	4	3	1	2	4	2·3	2	1	1	..	..	..	1
	4. Alcoholism { *a* Del. Tremens *b* Intemperance	.. 3	1 1	5 2	2 3	1 2	.. 4	6 ..	2 1	3 1	1 3	2·1 2·0	2 1	.. ..	.. ..	2 ..	.. 1	.. ..	.. ..
	ORDER 4.																		
	1. Thrush	2	..	1	1	2	4	..	2	7	2	2·1	..	..	..	..	..	..	..
	2. Worms, &c.	..	..	1	..	1	..	..	1	..	1	·4	2	..	..	2	..	..	..
II.	ORDER 1.																		
	1. Gout	..	3	9	2	1	..	2	2	4	2	2·5	2	..	..	1	..	..	1
	2. Dropsy	17	16	9	15	11	9	14	14	22	16	14·3	10	1	1	1	2	5	1
	3. Cancer	23	27	35	28	25	23	32	37	23	33	28·6	28	..	..	3	15	10	..
	4. Cancrum Oris (Noma)	..	1	1	1	1	..	2	..	..	..	·6	2	2	2	..	..	..	..
	5. Mortification	5	7	2	2	1	5	9	2	4	4	4·1	1	..	..	..	..	1	..
	ORDER 2.																		
	1. Scrofula	7	8	13	9	9	9	8	3	11	6	8·3	8	6	6	2	..	..	..
	2. Tabes Mesenterica	12	22	24	12	17	13	16	19	19	25	17·9	16	15	16	..	..	..	..
	3. Phthisis	159	181	149	174	156	161	181	187	182	217	174·7	184	15	31	98	43	12	..
	4. Hydrocephalus	37	38	39	33	25	42	34	34	27	36	34·5	31	28	31	..	..	..	...
III.	ORDER 1.																		
	1. Cephalitis	5	12	10	10	6	11	33	19	10	12	12·8	14	9	12	1	1	..	..
	2. Apoplexy	28	30	24	33	32	35	28	43	35	41	32·9	30	1	2	4	7	16	1
	3. Paralysis	21	27	27	26	19	23	27	32	25	40	26·7	34	..	..	1	10	20	3
	4. Insanity	1	2	2	1	..	3	..	..	2	..	1·1	..	..	..	..	..	..	..
	5. Chorea	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	6. Epilepsy	11	3	3	5	9	3	12	6	8	11	7·1	7	..	..	3	4	..	..
	7. Convulsions	37	51	43	52	49	53	58	71	51	65	53·0	57	56	57	..	..	..	..
	8. *Brain Disease, &c.*	15	24	20	13	29	25	19	10	15	25	19·5	13	3	4	..	5	4	..
	ORDER 2.																		
	1. Pericarditis	4	3	1	2	3	2	2	3	2	3	2·5	2	..	1	..	..	1	..
	2. Aneurism	4	3	1	1	3	3	2	1	2	10	3·0	1	..	..	1	..	..	..
	3. *Heart Disease, &c.*	52	45	38	50	53	46	70	66	56	66	54·2	50	..	1	10	19	17	3
	ORDER 3.																		
	1. Laryngitis	14	3	7	10	10	12	9	6	6	9	8·6	13	9	10	2	1	..	..
	2. Bronchitis	91	157	125	124	113	136	190	174	112	168	139·0	147	61	65	6	24	49	3
	3. Pleurisy	8	3	3	..	4	5	3	2	4	6	3·8	2	..	..	2	..	..	..
	4. Pneumonia	71	73	80	84	93	94	108	84	62	98	84·7	86	57	60	6	11	8	1
	5. Asthma	11	13	7	12	7	9	8	12	6	12	9·7	14	1	1	..	7	3	3
	6. *Lung Disease, &c.*	6	4	7	11	10	10	20	17	13	18	11·6	15	7	8	..	4	3	..
	ORDER 4.																		
	1. Gastritis	2	4	1	1	1	1	2	2	..	2	1·6	..	..	..	..	..	..	..
	2. Enteritis	6	2	3	8	6	1	8	6	3	3	4·6	3	3	3	..	..	..	..
	3. Peritonitis	2	3	4	7	6	5	5	5	3	5	4·5	5	2	2	..	2	1	..
	4. Ascites	2	2	7	4	4	3	..	2	2	1	2·7	2	..	..	..	..	2	..
	5. Ulceration of Intestines	..	3	2	2	1	6	3	2	4	1	2·4	..	..	..	..	..	..	..
	6. Hernia	2	2	3	..	3	4	2	3	..	4	2·3	7	..	..	1	3	3	..
	7. Ileus	1	2	2	1	2	2	1	2	1	5	1·9	4	..	1	1	..	2	..
	8. Intussusception	1	..	2	2	1	..	1	1	1	..	·9	1	..	..	..	..	1	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

the SIXTEENTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 23 1859	Apr. 21 1860	Apr. 20 1861	Apr. 19 1862	Apr. 18 1863	Apr. 23 1864	Apr. 22 1865	Apr. 21 1866	Apr. 20 1867	Apr. 18 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, April 24, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	41°·0	42°·3	45°·4	43°·5	50°·6	53°·3	56°·0	50°·8	50°·9	45°·7	48°·0	Mean Temp. 50°·3						
	9. Stricture of Intestines	1	2	2	1	1	1	1	5	1	..	1·5	1	..	..	..	1	..	..
	10. Fistula	..	..	1	1	1	..	..	..	..	..	·3	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	10	3	1	8	8	5	9	6	10	4	6·4	4	..	..	1	1	1	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	5	2	1	3	2	7	7	4	4	4	3·9	2	..	..	1	1	..	..
	14. Jaundice	5	2	2	4	1	1	..	6	3	4	2·8	5	1	1	2	1	1	..
	15. *Liver Disease, &c.*	17	10	17	12	17	11	17	23	15	15	15·4	13	..	1	2	5	5	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	1	..	..	..	1	..	2	3	1	·8	1	..	..	..	..	1	..
	2. Ischuria	..	1	..	..	..	..	..	..	..	2	·3	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	7	7	7	6	9	12	10	7	8	7	8·0	9	..	1	2	5	1	..
	4. Diabetes	2	3	1	..	1	2	1	2	..	4	1·6	2	..	..	1	1	..	..
	5. Calculus (Stone)	..	..	1	..	..	..	..	1	1	..	·3	..	..	..	..	..	..	..
	6. Cystitis	..	2	1	..	..	..	1	2	3	..	·9	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	6	7	12	9	7	5	10	11	6	14	8·7	8	..	2	1	..	5	..
	ORDER 6.																		
	1 Ovarian Dropsy	..	1	1	..	..	2	..	..	..	1	·5	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	3	5	2	2	6	5	3	7	8	3	4·4	3	..	1	..	1	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	2	1	..	..	2	..	..	..	..	·5	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	3	3	8	2	9	3	11	9	7	9	6·4	6	2	4	..	1	1	..
	ORDER 8.																		
	1. Phlegmon	3	1	2	..	3	1	2	4	3	3	2·2	5	1	1	1	2	..	1
	2. Ulcer	..	2	2	1	..	2	2	2	..	..	1·1	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	1	2	2	1	1	6	..	2	1	..	1·6	1	1	1	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	14	14	24	14	16	30	15	13	12	23	17·5	23	23	23	..	..	..	..
	2. Cyanosis	4	2	2	2	5	2	3	..	..	2	2·2	3	2	2	1	..	..	..
	3. Spina Bifida	1	1	1	..	..	..	..	1	..	2	·6	1	1	1	..	..	..	..
	4. Other Malformations	1	1	5	5	3	2	4	..	3	..	2·4	2	2	2	..	..	..	..
	5. Teething	20	25	18	11	24	20	20	25	22	18	20·3	19	19	19	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	4	3	4	3	9	11	4	4	7	3	5·2	6	..	..	6	..	..	..
	ORDER 3.																		
	1. Old Age	39	48	47	59	37	60	52	48	52	60	50·2	46	..	..	..	..	21	25
	ORDER 4.																		
	1. Atrophy and Debility	42	48	48	56	50	57	81	57	64	59	56·2	73	59	59	..	1	13	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	10	23	9	7	15	15	19	26	15	8	14·7	12	1	2	2	3	5	..
	2. Wounds	..	..	1	1	2	2	..	..	..	2	·8	1	1	1	..	..	..	..
	3. Burns and Scalds	2	8	6	6	7	5	4	9	5	7	5·9	5	3	3	..	2	..	..
	4. Poison.	1	1	1	..	1	..	1	1	1	1	·8	1	..	..	..	1	..	..
	5. Drowning	2	3	7	4	4	8	3	10	5	6	5·2	2	..	..	2	..	..	..
	6. Suffocation	5	13	7	4	8	11	5	9	4	8	7·4	7	7	7	..	..	..	..
	7. Otherwise	1	1	1	1	2	1	1	2	1	1	1·2	1	1	1	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	1	3	..	1	3	1	2	9	4	2	2·6	6	5	5	1	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	1	..	1	1	1	..	2	1	..	·7	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	2	..	1	..	2	..	2	1	3	1·2	4	..	..	1	3	..	..
	2. Poison.	..	4	1	2	..	2	1	1	2	1	1·4	1	..	..	..	1	..	..
	3. Drowning	1	1	..	..	1	..	..	2	2	1	·8	2	..	1	1	..	..	..
	4. Hanging	1	1	2	1	1	..	..	..	..	2	·8	..	..	..	..	..	..	..
	5. Otherwise	..	1	..	..	1	..	1	..	..	..	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	1	1	1	..	·3	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	2	3	3	2	6	6	1	2	3	1	2·9	2	..	..	1	1	..	..
	Causes not specified or ill-defined	5	3	16	3	33	16	1	6	5	3	9·1	3	3	3	..	..	..	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 24th April, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. Osler's. General Direction. P.M.	Wind. Osler's. Pressure on square foot. Greatest.	Wind. Osler's. Pressure on square foot. Least.	Wind. Osler's. Pressure on square foot. Mean of 24 Obs	Wind. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
April.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday	18	Greatest Dec. N.	29·815	52·6	39·4	13·2	45·2	41·2	84·0	35·0	54·4	53·4	4·0	6·8	0·9	— 0·8	86	N. by E.	NNE.	23·0	0·0	1·3	436	0·02	3
Monday	19	First Quarter	29·954	57·9	32·9	25·0	44·4	39·0	106·5	..	53·4	52·4	5·4	13·7	0·0	— 2·0	81	NNW. & SW.	SW. & SSW.	1·3	0·0	0·1	199	0·00	2
Tuesday	20	..	29·720	59·1	43·6	15·5	48·9	46·8	99·3	36·0	53·4	51·4	2·1	9·7	0·0	+ 2·2	93	SSW.	SSW.	5·1	0·0	0·7	382	0·00	7
Wednesday	21	..	29·875	64·2	43·2	21·0	52·4	46·7	120·9	39·8	53·6	51·4	5·7	16·0	0·0	+ 5·4	81	SW.	WSW.	1·5	0·0	0·2	281	0·00	4
Thursday	22	..	29·901	66·3	40·2	26·1	52·9	45·5	123·8	38·3	54·4	52·4	7·4	17·6	0·0	+ 5·7	76	SW. & SSW.	SSW.	0·7	0·0	0·0	193	0·00	2
Friday	23	..	29·916	64·1	45·6	18·5	54·2	51·1	90·0	36·0	53·9	51·4	3·1	11·7	0·0	+ 6·8	89	WSW & NE.	E. & NE.	0·0	0·0	0·0	102	0·20	2
Saturday	24	Perigee In Equator	29·932	63·8	48·8	15·0	54·3	46·2	109·6	48·4	53·4	52·4	8·1	18·6	0·0	+ 6·7	74	N.	N. & W.	0·5	0·0	0·0	161	0·03	1
Means		..	29·873	61·1	42·0	19·2	50·3	45·2	104·9	(6 days) 38·9	53·8	52·1	5·1	13·4	0·1	+ 3·4	83	Variable.		..	..	..	Sum 1754	Sum 0·25	3·0
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. April.		Electricity.	Sky and Atmosphere.
Sunday	18	The insulating lamp was not burning.	Rain fell in the early morning hours; fine during day, and generally cloudy.
Monday	19	The insulating lamp was lighted after 1h. P.M., at night positive with variable tension was shown.	Generally cloudy.
Tuesday	20	Very weak positive was shown in the afternoon.	Generally cloudy. A little rain fell in the morning.
Wednesday	21	No electricity was shown.	A fine day; partially cloudy.
Thursday	22		A fine day; partially cloudy.
Friday	23		Generally overcast. Rain fell between 1h. P.M. and 2h. 30m. P.M., and also fell heavily at night.
Saturday	24	The insulating lamp was not burning.	Rain fell during the early morning hours till about 4h. A.M.; partially cloudy till evening, then overcast.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·40 in. at the beginning of the week to 30·00 in. by 9h. A.M. on the 19th; decreased to 29·67 in. by 9h. P.M. on the 20th; increased to 29·94 in. by 9h. A.M. on the 22d; decreased to 29·87 in. by 3h. P.M. on the same day; increased to 29·95 in. by 9h. A.M. on the 23d; decreased to 29·90 in. by 3h. P.M. on the same day; remained nearly at this reading till after 9h. A.M. on the 24th; and was 29·98 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 17. 1869. Vol. XXX.] Week ending Saturday, May 1. [Price 1*d.*

General Register Office, Somerset House,
3d May 1869.

In the week that ended on Saturday, 1st May, 4692 births, and 2955 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 24 per 1000 persons living.

The annual rate of mortality last week was 21 per 1000 in London, 30 in Edinburgh, and 23 in Dublin; 20 in Bristol, 19 in Birmingham, 25 in Liverpool, 27 in Manchester, 22 in Salford, 27 in Sheffield, 31 in Bradford, 22 in Leeds, 25 in Hull, 28 in Newcastle-upon-Tyne, and 34 in Glasgow. The rate in Vienna was 33 per 1000 during the week ending the 24th ult., and in Berlin 32 per 1000 during the seven days ending the 29th ultimo.

In London the births of 1092 boys and 1073 girls, in all 2165 children, were registered in the week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2233.

The deaths registered in London during the week were 1288. It was the seventeenth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1459. The deaths in the present return are less by 171 than the estimated amount, and are less by 89 than the number recorded in the preceding week.

The deaths from zymotic diseases were 265, the corrected average number being 317. Eight deaths from small-pox, 20 from measles, 42 from scarlet fever, 4 from diphtheria, 81 from whooping-cough, 19 from typhus fever, 21 from enteric fever, 7 from simple continued fever, and 10 from diarrhœa were registered.

Of the 8 deaths from small-pox, 6 occurred in the South districts.

A comparison of the deaths from fever with those recorded in the preceding week shows a decrease of 6 on the total number; a decrease of 5 deaths from typhus fever, an increase of 2 deaths from enteric fever, and a decrease of 3 deaths from simple continued fever. Two cases occurred in the West districts, 16 in the North (where the London Fever Hospital is situated), 5 in the Central, 9 in the East, and 15 in the South districts.

The deaths from whooping-cough were less by 16 than the number recorded in the week which ended 24th April. Three cases were registered in the sub-district of Kentish Town, 8 in the sub-district of Islington West, 2 in the sub-district of West Hackney, 3 in the sub-district of St. Giles South, 2 in the sub-district of Long-acre, 2 in the sub-district of Kent-road, 3 in sub-district of Kennington first part, 3 in the sub-district of Clapham, and 2 in the sub-district of St. George Camberwell.

Scarlet fever was most fatal in the East districts of the Metropolis.

One hundred and fifty-six deaths occurred from phthisis, 111 from bronchitis, and 89 from pneumonia. The corrected average number of deaths from phthisis is 202, from bronchitis 143, and from pneumonia 84. In the preceding week which ended 24th April, the deaths from these diseases were 184, 147, and 86 respectively.

The deaths of 2 persons from alcoholism, of 4 infants and 2 adults from syphilis, of 2 children and 3 adults from burns or scalds, of 8 persons from drowning, of 5 infants from suffocation, and of 10 persons who committed suicide were registered.

Three nonagenarians died during the week; and a retired farmer died on 28th April in Old Woolwich-road, Greenwich, at the age (as stated) of 100 years.

The following deaths of 6 persons killed by horses or vehicles in the streets were registered :—

A labourer, aged 28 years, "compound fracture of legs; run over by a waggon." Died on 27th April in St. Mary's Hospital. *Post mort.* (*Inquest.*)

The son of a labourer, aged 8 years, "fractured thighs and other injuries; fell from a cart." Died in a few minutes on the 23d April near St. George's Hospital. (*Inquest.*)

The son of a drover, aged 2 years, "fracture of skull; run over by a water cart." Died on 26th April in Roman-road, Islington. *Post mort.* (*Inquest.*)

The son of a boot finisher, aged 5 years, "fracture of skull; run over by a Hansom cab." Died on 24th April in St. Bartholomew's Hospital. (*Inquest.*)

The son of a shoemaker, aged 7 years, "run over by a horse and cart." Died on 18th April in Poplar Hospital, Bromley. (*Inquest.*)

The son of a porter, aged 1 year, "run over by an omnibus." Died instantly on 25th April in Westminster Bridge-road, Lambeth. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 30·057 in. The barometrical reading decreased from 30·18 in. on Thursday, 29th April, to 29·93 in. at the end of the week. The mean temperature of the air in the week was 51·9°, which is 3·3° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 73·3° on Wednesday, 28th April. The lowest night temperature was 37·6° on Friday, 30th April. The entire range of temperature in the week was, therefore, 35·7°. The mean of the highest temperatures of the water of the Thames was 56·0°; that of the lowest was 53·5°. The difference between the mean dew-point temperature and air temperature was 8·1°. The mean degree of humidity of the air was 74, complete saturation being represented by 100. No rain fell. The general direction of the wind was N.E. and E.N.E. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 180,942 cubic metres, and at Barking 142,676 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Seventeenth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1692	1799	1858	1959	1963	1946	2205	2187	2385	2307	2030·1	2165
Males . .	865	914	930	994	958	1006	1140	1080	1240	1200	1032·7	1092
Females . .	827	885	928	965	1005	940	1065	1107	1145	1107	997·4	1073
Total Deaths	1207	1268	1182	1394	1408	1307	1344	1492	1280	1378	1326·0	1288
Males . .	608	639	610	684	697	679	679	764	702	714	677·6	682
Females . .	599	629	572	710	711	628	665	728	578	664	648·4	606

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Feb. 6.	Feb. 13	Feb. 20.	Feb. 27.	Mar. 6.	Mar. 13.	Mar. 20.	Mar. 27.	Apr. 3.	Apr. 10.	Apr. 17.	Apr. 24.	May. 1.
Deaths - - - -	1631	1426	1491	1419	1487	1519	1549	1590	1670	1550	1595	1377	1288
Deaths under 5 years of age -	624	570	572	535	592	615	582	603	678	601	662	614	563
Deaths under 20 years of age	723	670	697	647	682	721	698	703	786	698	772	696	656
Deaths 20—40 - - -	221	218	223	208	217	199	204	228	211	215	235	199	183
Deaths 40–60 - - -	276	235	268	253	279	254	268	289	282	260	254	211	211
Deaths at 60 years of age and upwards - - -	411	303	303	311	309	345	379	370	391	377	324	271	238
Deaths from Smallpox - -	9	6	6	2	6	7	3	2	4	4	2	4	8
„ „ Measles - -	17	25	15	12	25	27	20	30	31	34	28	18	20
„ „ Scarlet Fever -	45	56	39	43	56	39	33	43	44	39	41	38	42
„ „ Diphtheria -	3	9	10	7	4	6	5	4	6	5	3	6	4
„ „ Whooping-cough	64	72	82	50	65	81	67	71	73	85	103	97	81
„ „ Typhus fever -	15	20	23	26	15	19	20	14	20	17	24	24	19
„ „ Enteric fever -	36	21	37	18	26	27	26	21	21	19	14	19	21
„ „ Simple Cont^{d} fever	12	14	19	20	11	17	16	22	16	12	17	10	7
„ „ Diarrhœa - -	9	8	14	9	18	19	13	16	19	12	21	21	10
„ „ Phthisis - -	174	144	189	184	161	176	187	197	179	195	192	184	156
„ „ Bronchitis - -	275	209	171	185	196	230	244	262	269	249	191	147	111
„ „ Pneumonia -	102	84	74	78	98	90	99	103	102	104	95	86	89
„ „ Heart Disease -	81	78	77	72	60	74	74	80	82	65	67	50	59
Mean Temperature of the Air	49°·2	47°·5	45°·5	40°·9	39°·1	35°·6	36°·9	38°·7	39°·0	47°·1	55°·2	50°·3	51°·9
Mean Temperature of the Water of the Thames -	44·9	47·0	45·0	43·3	42·2	40·8	38·8	41·0	40·7	43·8	52·7	52·9	54·7
Humidity of the Air - -	85	86	83	82	76	82	84	84	83	88	81	83	74
Rain-fall in inches - -	0·65	0·97	0·17	0·70	0·47	0·04	0·57	0·27	0·24	0·17	0·46	0·25	0·00

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 1st day of May 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 1st May.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 1st May.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4692**	**3244**	**2955**	**73·3**	**33·3**	**51·2**	**0·00**	**0**	**22·95**	**1·11**	**10·67**	**0**
London (Metropolis . .	3,170,754	40·7	2070	2165	1462	1288	73·3	37·6	51·9	0·00	0	22·95	3·12	11·06	0
Bristol . . (City) .	169,423	36·1	109	104	76	64 *	72·2	35·1	52·4	0·00	0	22·33	1·73	11·33	0
Birmingham . (Borough) .	360,846	46·1	283	259	175	133	71·8	35·8	51·6	0·00	0	22·12	2·12	10·90	0
Liverpool . . (Borough) .	509,052	99·7	345	407	295	242	69·0	37·5	50·8	0·00	0	20·56	3·06	10·45	0
Manchester . (City) .	370,892	82·7	277	272	210	192 *	71·3	39·0	54·0	0·00	0	21·84	3·89	12·22	0
Salford . . (Borough) .	119,350	23·1	89	106	60	50	70·1	37·3	51·9	0·00	0	21·17	2·95	11·06	0
Sheffield . . (Borough)	239,752	10·5	196	195	126	125	67·7	39·5	51·3	0·00	0	19·83	4·17	10·73	0
Bradford . . (Borough)	138,522	21·0	105	110	71	83	67·3	39·1	50·5	0·00	0	19·61	3·95	10·28	0
Leeds . . . (Borough .	253,110	11·7	189	162	129	105	69·0	40·0	52·0	0·00	0	20·56	4·44	11·11	0
Hull . . . (Borough) .	126,682	35·6	83	84	59	61	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	89	69	69	64·0	38·0	46·3	0·00	0	17·78	3·33	7·95	0
Edinburgh . (City) .	178,002	40·2	112	159	86	103	68·7	34·0	50·4	0·10	10	20·39	1·11	10·22	0
Glasgow . . (City) .	458,937	90·6	374	399	268	296	72·2	37·3	51·8	0·00	0	22·33	2·95	11·01	0
Dublin (City and some suburbs)	320,762	32·9	219	181	158	144	66·6	33·3	50·7	0·00	0	19·23	0·73	10·39	0
				Week ending 24th Apr. 1869.		Week ending 24th Apr. 1869.	Week ending 24th April 1869.					Week ending 24th April 1869.			
Vienna . . (City) .	(1863) 560,000	..	..	..	..	355	..	..	53·4	..	..	..	..	11·88	..
				Week ending 29th Apr. 1869.		Week ending 29th Apr. 1869.	Week ending 29th April 1869.					Week ending 29th April 1869.			
Berlin . . (City) .	(1867) 702,437	..	..	484	..	445	..	..	58·1	..	..	..	..	14·50	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool: T. Mackereth, Esq., Eccles, near Manchester: G.V.Vernon, Esq., Old Trafford, Manchester: D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 1st May, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2165	1288	8	20	42	4	81	47	10
WEST DISTRICTS -	318	196	-	2	3	-	6	2	-
NORTH DISTRICTS -	512	317	1	5	9	3	21	16	2
CENTRAL DISTRICTS	200	165	-	3	6	-	10	5	2
EAST DISTRICTS -	466	255	1	1	17	-	17	9	3
SOUTH DISTRICTS -	669	355	6	9	7	1	27	15	3
WEST DISTRICTS.									
St. Mary Paddington *WH*	36	21	-	-	2	-	-	-	-
St. John Paddington H	9	15	-	-	-	-	-	-	-
Kensington Town *W* -	68	32	-	-	-	-	1	-	-
Brompton H - -	12	11	-	-	-	-	-	-	-
St Peter Hammersmith	2	1	-	-	-	-	-	-	-
St. Paul Hammersmith	25	5	-	-	-	-	-	-	-
Fulham *W* - - -	22	8	-	1	-	-	-	-	-
Chelsea South H - -	19	15	-	-	-	-	1	-	-
Chelsea North-west H*Ww*	11	7	-	-	-	-	-	-	-
Chelsea North east -	8	5	-	-	-	-	-	-	-
Hanover Square - -	15	1	-	-	-	-	-	-	-
May Fair *W* - -	1	7	-	-	-	-	-	1	-
Belgrave H - - -	31	19	-	-	-	-	-	-	-
St. John Westminster -	21	16	-	-	-	-	1	-	-
St. Margaret West. *WH*	11	14	-	-	-	-	2	1	-
St. James's Square -	1	1	-	-	-	-	-	-	-
Golden Square *W* -	8	9	-	-	-	-	1	-	-
Berwick-street - -	5	4	-	-	1	-	-	-	-
St. Anne Soho - -	13	5	-	1	-	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	18	17	-	1	-	-	-	-	-
Cavendish Square - -	6	5	-	-	-	-	-	-	-
Rectory Marylebone *W*	18	27	-	-	1	-	1	-	-
St. Mary Marylebone -	25	6	-	-	-	-	-	-	-
Christchurch Marylebone	23	16	-	-	-	-	2	2	-
St. John Marylebone -	31	10	1	-	-	-	1	-	-
Hampstead *W* - -	18	12	-	-	-	-	1	-	-
Regent's Park Pancras -	23	12	-	-	1	-	-	1	1
Tottenham-court *w*H -	12	21	-	-	1	1	-	-	-
Gray's Inn Lane H -	11	6	-	-	-	-	-	-	-
Somers Town - -	32	21	-	-	-	-	2	1	-
Camden Town *W* -	13	15	-	-	1	-	-	-	-
Kentish Town - -	49	17	-	-	-	-	3	-	-
Islington West* *WHH*	91	65	-	4	3	-	8	10	-
Islington East *Ww* -	68	29	-	-	-	1	-	1	1
Stoke Newington - -	3	2	-	-	-	-	-	-	-
Stamford Hill - -	1	2	-	-	-	-	-	-	-
West Hackney - -	15	5	-	-	-	-	2	-	-
Hackney *WHw* - -	33	19	-	-	2	1	1	-	-
South Hackney L -	22	10	-	-	-	-	-	1	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	7	7	-	-	-	-	-	-	-
St. Giles South *W* -	15	10	-	-	-	-	3	-	-
St. Giles North - -	6	10	-	-	-	-	1	-	-
Long Acre - - -	9	6	-	-	-	-	2	-	-
Charing Cross *WH* -	3	15	-	-	-	-	1	-	-
St. Mary le Strand -	3	3	-	-	-	-	-	-	-
St. Clement Danes H -	8	11	-	-	1	-	-	1	-
St. George-the-Martyr H	12	2	-	-	-	-	-	-	-
St. Andrew, East Holb. *W*	3	12	-	-	-	-	-	-	-
Saffron Hill - - -	5	5	-	-	1	-	-	1	-
St. James Clerkenwell *W*	20	13	-	1	-	-	1	1	-
Amwell Clerkenwell -	9	6	-	-	-	-	-	1	-
Pentonville - - -	10	4	-	-	-	-	1	-	-
Goswell-street - -	8	8	-	-	-	-	-	-	-
Old street - - -	7	4	-	-	-	-	-	1	-
City-road HL - -	20	9	-	-	-	-	-	-	-
Whitecross-street - -	10	2	-	-	-	-	-	-	-
Finsbury - - -	8	4	-	1	-	-	1	-	-
St. Botolph East London	10	-	-	-	-	-	-	-	-
Cripplegate - - -	8	1	-	-	-	-	-	-	1
West London North *WH*	3	18	-	-	2	-	-	-	-
West London South -	4	5	-	-	-	-	-	-	-
London City South-west	-	4	-	-	1	-	-	-	-
London City North-west	1	-	-	-	-	-	-	-	-
London City South -	1	1	-	1	-	-	-	-	-
London City South-east	3	2	-	-	-	-	-	-	-
London City North-east	7	3	-	-	1	-	-	-	1

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	12	7	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	16	9	-	-	-	-	1	1	-
Hoxton New Town *w* -	21	10	-	-	-	-	-	-	-
Hoxton Old Town - -	24	8	-	-	1	-	1	-	-
Haggerstone West *W* -	18	12	-	-	1	-	1	-	1
Haggerstone East - -	14	6	-	1	-	-	1	1	-
Hackney road - -	20	8	-	-	-	-	-	-	-
Green, Bthnl.Grn. *WHL*†	33	16	-	-	-	-	1	1	1
Church, Bethnal Green	21	9	-	-	1	-	1	-	-
Town, Bethnal Green -	29	7	-	-	-	-	-	-	-
Artillery Whitechapel -	5	3	-	-	1	-	-	-	-
Spitalfields - - -	11	3	-	-	-	-	-	-	-
Mile End New Town *W*	9	10	-	-	3	-	-	-	-
Whitechapel North -	7	5	-	-	1	-	1	-	-
Whitechapel Church H	3	10	-	-	-	-	-	1	-
Goodman's Fields - -	12	3	-	-	-	-	1	-	-
Aldgate - - - -	6	-	-	-	-	-	-	-	-
St. Mary St. Geo. East -	15	9	-	-	2	-	1	1	1
St. Paul St. Geo. East -	17	5	-	-	-	-	-	-	-
St. John St. Geo. East *W*	2	5	-	-	-	-	1	1	-
Shadwell *W* - - -	10	7	-	-	-	-	-	-	-
Ratcliff *W* - - -	10	12	-	-	-	-	1	1	-
Limehouse *W* - -	13	9	-	-	-	-	-	-	-
Mile End O'd Town, West	27	14	-	-	1	-	2	-	-
Mile End Old T., East *Ww*	41	21	1	-	2	-	1	2	-
Bow *ww*L† - - -	41	28	-	-	2	-	1	-	-
Poplar *W* - - -	29	19	-	-	2	-	2	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	4	-	1	-	-	-	-	-
St. Saviour Southwark H	10	7	-	-	-	-	1	1	-
St. Olave Southwark H	-	16	-	-	-	-	2	-	-
St. John Horsleydown *W*	11	3	-	-	-	-	1	-	-
St. James Bermondsey -	38	12	-	2	1	-	2	-	-
St. Mary Magdalen *W*	16	2	-	-	-	-	-	-	-
Leather Market - -	9	8	1	-	1	-	-	1	-
Kent-road - - -	16	9	1	1	-	-	2	2	-
Borough-road *W* - -	8	11	-	-	-	-	-	-	-
London road L - -	24	11	-	-	-	-	2	-	-
Trinity Newington -	15	11	1	-	1	-	1	1	-
St. Peter Walworth *W*	32	20	-	-	-	-	-	1	1
St. Mary Newington H -	12	7	-	-	-	-	-	-	-
Waterloo-road 1st - -	6	3	-	-	-	-	1	-	1
Waterloo-road 2nd -	20	7	-	-	-	-	1	1	-
Lambeth Church 1st -	17	6	-	-	-	-	-	-	-
Lambeth Church 2nd *W*	25	13	-	1	1	-	1	-	-
Kennington 1st - -	34	17	-	1	2	1	3	1	-
Kennington 2nd - -	9	9	-	-	-	-	-	-	-
Brixton - - - -	19	11	1	-	-	-	-	-	-
Norwood *W* - - -	9	3	-	1	-	-	-	-	-
Clapham - - -	14	15	-	-	-	-	3	-	-
Battersea *Ww* - -	36	22	-	1	-	-	-	-	-
Wandsworth L - -	17	8	-	-	-	-	-	-	-
Putney - - - -	7	3	-	-	1	-	-	-	-
Streatham - - -	10	4	-	-	-	-	-	-	-
Dulwich - - -	1	1	-	-	-	-	-	-	-
Camberwell *WL*†L† -	28	12	-	-	-	-	-	1	-
Peckham - - -	18	8	-	-	-	-	-	1	-
St. George Camberwell -	20	9	-	-	-	-	2	-	-
Rotherhithe *W* - -	19	6	-	-	-	-	-	-	-
St. Paul Deptford - -	42	12	2	-	-	-	2	1	-
St. Nicholas Deptford -	8	2	-	-	-	-	-	1	-
Greenwich West H -	14	5	-	-	-	-	-	-	-
Greenwich East *WH* -	11	14	-	1	-	-	2	-	-
Eltham - - - -	4	2	-	-	-	-	-	-	-
Lee - - - -	8	3	-	-	-	-	-	-	-
Lewisham Village *W* -	6	4	-	-	-	-	-	1	-
Sydenham - - -	12	4	-	-	-	-	1	-	-
Charlton H - - -	8	4	-	-	-	-	-	-	-
Woolwich Dockyard H	17	6	-	-	-	-	-	-	-
Woolwich Arsenal H -	10	13	-	-	-	-	-	2	-
Plumstead, West - -	7	4	-	-	-	-	-	-	-
Plumstead, East - -	13	4	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the SEVENTEENTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 30 1859	Apr. 28 1860	Apr. 27 1861	Apr. 26 1862	Apr. 25 1863	Apr. 30 1864	Apr. 29 1865	Apr. 28 1866	Apr. 27 1867	Apr. 25 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 1, 1869. ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	48°·2	41°·2	44°·3	54°·2	50°·2	47°·6	54°·2	52°·6	48°·7	50°·2	49°·1	51°·9						
	ALL CAUSES . . .	1207	1268	1182	1394	1408	1307	1344	1492	1280	1378	1326·0	1288	563	656	183	211	205	33
	SPECIFIED CAUSES .	1202	1246	1175	1380	1400	1303	1318	1485	1273	1372	1315·4	1284	561	654	182	210	205	33
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	278	243	226	321	405	282	270	347	234	278	288·4	265	182	210	18	24	12	1
II.	CONSTITUTIONAL „ .	274	299	273	299	264	277	286	328	308	263	287·6	264	67	89	87	68	18	2
III.	LOCAL „ .	480	508	497	548	543	539	559	614	532	617	543·7	562	211	247	57	107	138	13
IV.	DEVELOPMENTAL „ .	131	147	133	167	140	150	168	152	159	170	151·7	141	87	88	4	2	30	17
V.	VIOLENT DEATHS . .	39	49	41	45	48	55	35	44	40	44	44·0	52	14	20	16	9	7	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	248	223	213	305	388	265	250	322	208	251	267·3	238	162	190	14	23	10	1
	2. ENTHETIC „ . .	9	6	4	4	4	10	2	14	11	8	7·2	9	4	4	3	1	1	..
	3. DIETIC „ . .	16	14	8	10	11	5	15	10	9	16	11·4	16	14	14	1	..	1	..
	4. PARASITIC „ . .	5	..	1	2	2	2	3	1	6	3	2·5	2	2	2	..	..	..	..
II.	1. DIATHETIC „ . .	48	48	44	46	43	40	47	50	59	35	46·0	43	2	3	7	17	14	2
	2. TUBERCULAR „ . .	226	251	234	253	221	237	239	278	249	228	241·6	221	65	86	80	51	4	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	128	129	131	143	159	124	161	183	158	190	150·6	173	81	91	15	30	31	6
	2. „ OF ORGANS OF CIRCULATION .	66	61	61	59	51	70	54	54	66	73	61·5	62	2	12	10	18	22	..
	3. „ OF RESPIRATORY ORGANS . .	199	240	212	246	234	251	239	282	208	270	238·1	231	121	128	17	34	48	4
	4. „ OF DIGESTIVE ORGANS . .	51	50	60	63	46	54	66	55	59	51	55·5	47	5	8	7	11	19	2
	5. „ OF URINARY ORGANS . . .	19	19	19	18	28	28	26	26	29	15	22·7	32	1	2	6	8	16	..
	6. „ OF ORGANS OF GENERATION .	6	2	5	6	10	5	4	1	2	7	4·8	7	..	..	2	4	1	..
	7. „ OF ORGANS OF LOCOMOTION .	7	3	4	8	6	5	5	8	6	4	5·6	5	..	5	..	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	4	4	5	5	9	2	4	5	4	7	4·9	5	1	1	..	2	1	1
IV.	1. DEV. DISEASES OF CHILDREN	44	41	39	38	36	43	61	54	49	48	45·3	33	33	33	..	..	..	..
	2. „ OF ADULTS . .	3	1	4	11	4	9	5	6	6	1	5·0	5	..	..	4	1	..	..
	3. „ OF OLD PEOPLE	45	59	45	55	58	50	46	37	46	67	50·8	41	..	..	..	..	24	17
	4. DISEASES OF NUTRITION .	39	46	45	63	42	48	56	55	58	54	50·6	62	54	55	..	1	6	..
V.	1. ACCIDENT OR NEGLIGENCE .	33	40	35	38	38	51	28	33	36	31	36·3	40	14	20	11	6	3	..
*	3. HOMICIDE	4	4	..	..	7	..	2	4	..	3	2·4	1	..	..	..	..	1	..
	4. SUICIDE	2	5	6	7	3	4	4	7	4	9	5·1	10	..	..	5	3	2	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	1	..	..	1	·2	1	..	..	..	..	1	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	3	2	3	5	4	3	..	1	1	2	2·4	1	1	1	..	..	..	..
	CAUSES NOT SPECIFIED . .	2	20	4	9	4	1	26	6	6	4	8·2	3	1	1	1	1	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 30 1859	Apr. 28 1860	Apr. 27 1861	Apr. 26 1862	Apr. 25 1863	Apr. 30 1864	Apr. 29 1865	Apr. 28 1866	Apr. 27 1867	Apr. 25 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 1, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	48°2	41°2	44°3	54°2	50°2	47°6	54°2	52°6	48°7	50°2	49°1	Mean Temp 51°9						
I.	ORDER 1.																		
	1. Small-pox	15	20	3	3	65	..	9	21	34	14	18·4	8	4	8	..	..	..	..
	2. Measles	36	37	17	32	58	37	11	60	10	51	34·9	20	20	20	..	..	..	..
	3. Scarlet Fever (Scarlatina)	57	33	24	65	65	45	21	17	19	27	37·3	42	28	41	1	..	..	..
	4. Diphtheria	16	9	13	19	15	15	4	8	4	4	10·7	4	3	3	..	..	1	..
	5. Quinsy	2	..	2	1	..	2	1	2	..	1	1·1	1	..	..	..	..	1	..
	6. Croup	8	9	9	18	19	11	20	17	18	12	14·1	9	8	9	..	..	..	..
	7. Whooping-cough	38	56	79	47	74	41	79	97	44	57	61·2	81	81	81	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	35	34	32	86	56	67	55	63	42	46	51·6	19 21 7	.. 5 3	4 8 5	4 5 1	10 6 1	1 1 ..	.. 1 ..
	9. Erysipelas	5	3	5	7	8	3	11	5	8	7	6·2	6	3	3	1	1	1	..
	10. Puerperal Fever (Metria)	5	..	..	3	2	3	1	4	6	4	2·8	1	..	..	1	..	..	..
	11. Carbuncle	..	1	1	4	1	2	1	2	2	1	1·5	2	..	..	..	..	2	..
	12. Influenza	2	2	1	..	..	1	1	..	..	..	·7	..	..	..	..	..	..	..
	13. Dysentery	3	3	1	..	2	3	1	1	2	3	1·9	1	..	..	..	1	..	..
	14. Diarrhœa	9	7	15	13	12	20	18	16	12	12	13·4	10	7	8	..	..	2	..
	15. Simple Cholera	..	..	..	..	..	1	1	2	1	..	·5	..	..	..	..	..	..	..
	16. Ague	1	1	1	1	..	..	1	..	1	..	·6	..	..	..	..	..	..	..
	17. Remittent fever	2	2	2	3	4	1	1	..	..	..	1·5	..	..	..	..	..	..	..
	18. Rheumatism	14	6	8	3	7	13	14	7	5	11	8·8	6	..	..	1	4	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	9	5	2	4	2	6	2	12	11	7	6·0	6	4	4	2	..	..	..
	2. Stricture of Urethra	..	1	..	..	2	4	..	2	..	1	1·0	3	..	..	1	1	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	2	..	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	2. Want of Breast-milk	9	8	5	4	6	4	11	5	7	12	7·1	12	12	12	..	..	..	..
	3. Purpura and Scurvy	..	1	..	3	1	..	..	2	1	..	·8	2	2	2	..	..	..	..
	4. Alcoholism *a* Del. Tremens	5	1	1	2	2	1	4	1	..	1	1·8	1	..	..	1	..	..	..
	4. Alcoholism *b* Intemperance	2	4	2	1	2	..	..	2	1	2	1·6	1	..	..	..	..	1	..
	ORDER 4.																		
	1. Thrush	5	..	1	2	2	2	3	1	6	3	2·5	2	2	2	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	3	1	1	3	1	3	3	1	5	2	2·3	3	..	..	..	1	2	..
	2. Dropsy	11	12	16	8	16	10	11	16	15	11	12·6	11	2	3	2	3	2	1
	3. Cancer	30	29	21	26	22	23	28	28	34	19	26·0	27	..	..	5	13	9	..
	4. Cancrum Oris (Noma)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	5. Mortification	4	6	6	9	4	4	5	5	5	3	5·1	2	..	..	..	..	1	1
	ORDER 2.																		
	1. Scrofula	2	16	11	13	9	6	4	2	9	8	8·0	7	5	5	1	1	..	..
	2. Tabes Mesenterica	13	18	17	15	20	12	20	17	21	23	17·6	16	15	16	..	..	..	..
	3. Phthisis	184	198	168	194	167	170	181	227	185	165	183·9	156	6	23	79	50	4	..
	4. Hydrocephalus	27	19	38	31	25	49	34	32	34	32	32·1	42	39	42	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	11	12	11	11	24	12	22	13	11	23	15·0	15	10	14	..	1	..	..
	2. Apoplexy	29	25	35	33	26	21	24	36	44	38	31·1	33	3	3	8	12	9	1
	3. Paralysis	22	32	18	28	38	21	24	38	22	34	27·7	35	..	1	1	12	17	4
	4. Insanity	3	1	2	..	2	4	1	5	5	2	2·5	3	..	..	1	..	2	..
	5. Chorea	..	..	..	..	..	..	1	..	..	1	·2	..	..	..	..	..	..	..
	6. Epilepsy	9	7	9	3	12	6	6	7	7	10	7·6	5	..	..	2	3	..	..
	7. Convulsions	32	36	41	50	40	50	69	61	62	64	50·5	70	68	70	..	..	..	..
	8. *Brain Disease, &c.*	22	16	15	18	17	10	14	23	7	18	16·0	12	..	3	3	2	3	1
	ORDER 2.																		
	1. Pericarditis	5	2	4	1	2	4	3	2	1	3	2·7	2	..	1	..	..	1	..
	2. Aneurism	..	1	3	2	3	2	1	1	3	..	1·6	1	..	..	..	1	..	..
	3. *Heart Disease, &c.*	61	58	54	56	46	64	50	51	62	70	57·2	59	2	11	10	17	21	..
	ORDER 3.																		
	1. Laryngitis	7	2	9	10	8	4	10	11	10	6	7·7	8	6	6	1	1	..	..
	2. Bronchitis	101	145	115	122	119	139	119	150	123	169	130·2	111	48	49	6	17	35	4
	3. Pleurisy	..	4	3	2	3	4	2	4	5	5	3·2	3	1	1	1	..	1	..
	4. Pneumonia	72	75	73	80	81	79	86	95	55	68	76·4	89	61	66	8	10	5	..
	5. Asthma	14	8	6	17	10	10	7	9	6	9	9·6	9	..	..	..	3	6	..
	6. *Lung Disease, &c.*	5	6	6	15	13	15	15	13	9	13	11·0	11	5	6	1	3	1	..
	ORDER 4.																		
	1. Gastritis	1	1	3	1	2	..	3	2	4	..	1·7	1	1	1	..	..	..	..
	2. Enteritis	7	6	4	6	3	6	10	9	9	4	6·4	6	3	4	2	..	..	..
	3. Peritonitis	4	1	7	10	4	3	5	5	2	5	4·6	5	..	1	3	..	1	..
	4. Ascites	2	6	2	2	2	3	1	1	1	3	2·3	2	..	..	..	..	1	1
	5. Ulceration of Intestines	..	5	2	4	2	1	2	2	1	4	2·3	3	..	..	..	3	..	..
	6. Hernia	3	..	2	1	3	4	3	4	1	4	2·5	2	..	..	1	1	..	..
	7. Ileus	3	3	4	2	1	4	4	2	2	4	2·9	3	..	..	..	1	2	..
	8. Intussusception	1	1	1	..	..	..	4	..	..	..	·7	2	1	2	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," or

the SEVENTEENTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Apr. 30 1859	Apr. 28 1860	Apr. 27 1861	Apr. 26 1862	Apr. 25 1863	Apr. 30 1864	Apr. 29 1865	Apr. 28 1866	Apr. 27 1867	Apr. 25 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 1, 1869. Deaths of Persons of the Ages ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	48°·2	41°·2	44°·3	54°·2	50°·2	47°·6	54°·2	52°·6	48°·7	50°·2	49°·1	51°·9						
	9. Stricture of Intestines	1	2	1	2	1	1	1	1	1	..	1·1	1	..	..	..	..	1	..
	10. Fistula	1	..	1	1	..	1	..	..	..	..	·4	1	..	..	..	1	..	..
	11. *Stomach Disease, &c.*	8	9	5	7	3	6	4	3	6	7	5·8	6	..	..	1	1	4	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	5	1	15	1	2	5	6	1	7	..	4·3	3	..	..	..	1	1	1
	14. Jaundice	4	..	2	2	2	4	4	5	2	6	3·1	1	..	..	..	..	1	..
	15. *Liver Disease, &c.*	11	14	10	23	20	16	19	18	21	14	16·6	11	..	..	..	3	8	..
	16. *Spleen Disease, &c.*	..	1	1	1	1	..	..	2	2	..	·8	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	2	1	..	..	2	3	..	1	2	..	1·1	4	1	1	1	..	2	..
	2. Ischuria	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	6	6	7	8	12	11	9	11	15	7	9·2	11	..	..	2	4	5	..
	4. Diabetes	1	1	1	1	3	2	3	3	1	2	1·8	3	..	..	..	1	2	..
	5. Calculus (Stone)	1	..	..	..	1	3	1	..	..	1	·7	..	..	..	..	..	..	..
	6. Cystitis	..	..	..	1	1	2	1	..	..	..	·5	3	..	..	1	..	2	..
	7. *Kidney Disease, &c.*	9	11	11	8	8	7	12	11	11	5	9·3	11	..	1	2	3	5	..
	ORDER 6.																		
	1. Ovarian Dropsy	1	1	2	1	..	..	..	1	1	1	·8	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	5	1	3	5	10	5	4	..	1	6	4·0	7	..	..	2	4	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	7	3	4	8	6	5	5	8	6	4	5·6	5	..	5	..	..	..	..
	ORDER 8.																		
	1. Phlegmon	3	2	5	5	5	1	2	3	1	2	2·9	4	1	1	..	2	1	..
	2. Ulcer	1	..	..	..	2	..	1	2	1	2	·9	1	..	..	..	..	..	1
	3. *Skin Disease, &c.*	..	2	..	..	2	1	1	..	2	3	1·1	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	24	20	17	19	18	15	30	26	22	28	21·9	12	12	12	..	..	..	..
	2. Cyanosis	3	2	4	2	2	2	2	2	1	2	2·2	..	..	..	..	..	..	..
	3. Spina Bifida	1	1	..	2	..	..	1	1	1	1	·8	..	..	..	..	..	..	..
	4. Other Malformations	3	1	1	1	3	2	..	1	2	1	1·5	2	2	2	..	..	..	..
	5. Teething	13	17	17	14	13	24	28	24	23	16	18·9	19	19	19	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	1	4	11	4	9	5	6	6	1	5·0	5	..	..	4	1	..	..
	ORDER 3.																		
	1. Old Age	45	59	45	55	58	50	46	37	46	67	50·8	41	..	..	..	..	24	17
	ORDER 4.																		
	1. Atrophy and Debility	39	46	45	63	42	48	56	55	58	54	50·6	62	54	55	..	1	6	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	16	12	18	10	13	22	12	11	20	13	14·7	15	3	7	2	3	3	..
	2. Wounds	..	..	..	..	1	1	..	2	1	..	·5	1	..	..	1	..	..	..
	3. Burns and Scalds	7	5	7	11	5	8	3	2	4	4	5·6	5	2	2	3	..	..	..
	4. Poison	3	2	1	1	..	1	1	..	..	1	1·0	2	1	1	..	1	..	..
	5. Drowning	3	11	4	6	12	8	5	4	5	3	6·1	8	..	2	4	2	..	..
	6. Suffocation	3	8	5	8	2	8	5	10	6	9	6·4	5	5	5	..	..	..	..
	7. Otherwise	1	2	..	2	5	3	2	4	..	1	2·0	4	3	3	1	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	4	4	..	..	7	..	2	4	..	3	2·4	1	..	..	..	..	1	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	1	..	1	..	..	..	..	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	1	2	2	2	2	3	1	1	2	1·7	2	..	..	1	..	1	..
	2. Poison	..	1	2	1	..	..	..	..	..	1	·5	1	..	..	1	..	..	..
	3. Drowning	1	2	..	..	..	..	..	1	..	3	·7	2	..	..	1	..	1	..
	4. Hanging	..	1	2	2	1	1	1	4	2	2	1·6	4	..	..	1	3	..	..
	5. Otherwise	..	..	..	1	..	..	..	1	1	1	·4	1	..	..	1	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	1	..	..	1	·2	1	..	..	..	..	1	..
	Sudden Deaths (Cause unascertained)	3	2	3	5	4	3	..	1	1	2	2·4	1	1	1	..	..	..	..
	Causes not specified or ill-defined	2	20	4	9	4	1	26	6	6	4	8·2	3	1	1	1	1	..	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when e result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 1st May 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
April.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	25	..	30·091	68·8	46·9	21·9	54·4	48·4	118·5	43·1	54·9	52·4	6·0	15·8	0·0	+ 6·7	80	WSW. & W.	NE. & ESE.	0·3	0·0	0·0	149	0·00	2
Monday . .	26	Full	30·102	61·8	41·6	20·2	51·3	46·1	122·2	33·8	55·4	52·4	5·2	13·6	0·0	+ 3·4	83	ESE. & ENE.	E.	6·5	0·0	0·2	205	0·00	6
Tuesday .	27	..	30·012	70·0	42·2	27·8	56·5	47·1	127·8	33·8	56·4	53·4	9·4	20·0	1·8	+ 8·4	71	NE.	ENE.	4·7	0·0	0·4	281	0·00	3
Wednesday	28	..	30·088	73·3	45·9	27·4	58·2	46·2	122·5	38·2	56·4	53·4	12·0	24·7	3·8	+ 9·8	65	NE.	E. & NE.	7·5	0·0	0·5	333	0·00	2
Thursday.	29	..	30·112	61·2	39·2	22·0	49·1	40·1	126·9	36·0	56·4	54·4	9·0	15·0	3·9	+ 0·3	71	NE.	NE.& ENE.	15·0	0·1	0·3	396	0·00	6
Friday . .	30	Greatest Dec. S.	30·012	62·8	37·6	25·2	48·6	39·7	126·3	33·0	56·9	54·9	8·9	17·6	3·4	— 0·7	71	ENE.	E. & ENE.	3·3	0·0	0·3	322	0·00	6
May.																									
Saturday.	1	..	29·980	55·6	40·6	15·0	45·1	38·9	110·5	36·0	55·4	53·4	6·2	13·5	2·4	— 4·7	79	NE.	NE.& SE.	1·2	0·0	0·1	189	0·00	5
Means . .		..	30·057	64·8	42·0	22·8	51·9	43·8	122·1	35·3	56·0	53·5	8·1	17·2	2·2	+ 3·3	74	NE. & ENE.		..	..	..	Sum 1875	Sum 0·00	4·3
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. April.		Electricity.	Sky and Atmosphere.
Sunday .	25	The insulating lamp was not burning.	Cloudy throughout.
Monday .	26		Generally cloudless till evening; then overcast. A fine day.
Tuesday .	27		Cloudless. A very fine day. Much dew in the early morning.
Wednesday	28		A very fine day; cloudless, with slight exception, throughout.
Thursday .	29		A little cloud prevailed in the morning; cloudless afterwards. A very fine day.
Friday .	30		Cloudless. A very fine day.
May.			
Saturday .	1	No electricity was shown.	Overcast till 1h. P.M.; very fine afterwards, and a few light clouds were prevalent.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·98 in. at the beginning of the week to 30·15 in. by 9h. A.M. on the 26th; decreased to 30·00 in. by 3h. P.M. on the 27th; increased to 30·18 in. by 9h. A.M. on the 29th; decreased to 29·99 in. by 3h. P.M. on the 30th of April; increased to 30·02 in. by 9h. A.M. on the 1st of May; and was 29·93 in. at the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 18. 1869. Vol. XXX. | Week ending Saturday, May 8. | [Price 1*d.*

General Register Office, Somerset House, 10th May 1869.

In the week that ended on Saturday, 8th May, 4087 births, and 3080 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 25 per 1000 persons living.

The annual rate of mortality last week was 23 per 1000 in London, 30 in Edinburgh, and 21 in Dublin; 23 in Bristol, 16 in Birmingham, 28 in Liverpool, 26 in Manchester, 25 in Salford, 25 in Sheffield, 21 in Bradford, 23 in Leeds, 24 in Hull, 23 in Newcastle-upon-Tyne, and 36 in Glasgow. The rate in Vienna was 32 per 1000 during the week ending the 1st inst., and in Berlin 28 per 1000 during the seven days ending the 6th instant.

In London the births of 1063 boys and 962 girls, in all 2025 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2236.

The deaths registered in London during the week were 1421. It was the eighteenth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1428. The deaths in the present return approximate closely to the estimated amount, and exceed by 133 the number recorded in the preceding week.

The deaths from zymotic diseases were 293, the corrected average number being 321. Three deaths from small-pox, 21 from measles, 53 from scarlet fever, 7 from diphtheria, 91 from whooping-cough, 9 from typhus fever, 21 from enteric fever, 13 from simple continued fever, and 19 from diarrhœa were registered.

The son of a brass-founder, aged one year, died on 2d May in King Edward-street, Whitechapel, from "choleraic diarrhœa (45 hours)."

The son of a coach-maker, aged 2 months, died on 7th May in Long-acre, from "cholera infantum, about a week, ischuria renalis."

Thirty deaths from scarlet fever were registered in the East districts; of these, 3 occurred in sub-district of St. Leonard's Shoreditch, 2 in the sub-district of Hoxton New Town, 3 in the sub-district of Haggerstone West, 2 in the sub-district of Hackney-road, 2 in the Green sub-district of Bethnal-green, 2 in the Church sub-district of Bethnal-green, 5 in the sub-district of Ratcliff, 2 in the sub-district of Limehouse, and 2 in the sub-district of Bow.

Two hundred and sixteen deaths occurred from phthisis, 131 from bronchitis, and 85 from pneumonia. The corrected average number of deaths from phthisis is 189, from bronchitis 131, and from pneumonia 77. In the preceding week which ended 1st May the deaths from these diseases were 156, 111, and 89 respectively.

The deaths of 2 persons from delirium tremens, of 9 infants from syphilis, of 4 persons from burns or scalds, of 6 persons from drowning, of 6 infants from suffocation, and of 11 persons who committed suicide were registered.

The wife of a jeweller, aged 47 years, died on 29th April in the Royal Free Hospital, of "burns from her clothes distended by crinoline taking fire." *Post mort.*

A female hair-worker, aged 24 years, died on 3d May at 19 Wellington-street, Clerkenwell, from "fatty degeneration of the heart, accelerated by want of food and attendance." *Post mort.* (*Inquest.*)

The following deaths of 3 persons killed by horses or vehicles in the streets were registered:—

A tailor, aged 56 years, "fracture of skull; run over by a Hansom cab." Died on 29th April in the Middlesex Hospital. *Post mort.* (*Inquest.*)

The son of a labourer, aged 5 years, "run over by a van." Died on 24th April in the London Hospital. (*Inquest.*)

The son of a labourer, aged 4 years, "crushed by a cart." Died on 29th April in the London Hospital. (*Inquest.*)

The expected number of deaths by horses or vehicles in the streets is 70 in 18 weeks; the actual numbers registered in the 18 weeks of this year amount to 66. Seven persons were killed by horses, 2 by carriages, 4 by omnibuses, 8 by cabs, 20 by vans or waggons, and 25 by carts.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·480 in. The barometrical reading decreased from 29·93 in. at the beginning of the week, to 29·01 in. on Thursday, 6th May. The mean temperature of the air in the week was 50·5°, which is 0·7° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 67·5° on Thursday, 6th May. The lowest night temperature was 33·3° on Sunday, 2d May. The entire range of temperature in the week was, therefore, 34·2°. The mean of the highest temperatures of the water of the Thames was 55·4°; that of the lowest was 53·5°. The difference between the mean dew-point temperature and air temperature was 3·6°. The mean degree of humidity of the air was 88, complete saturation being represented by 100. Rain fell to the amount of 1·28 in., of which 0·37 in. fell on Monday, 3d May, and 0·63 in. on Tuesday, 4th May. The general direction of the wind was variable. Lightning was seen about 10 P.M. on Friday, 7th May. At Hull the maximum temperature was 57·0°, and the mean temperature 40·9°. At Newcastle-on-Tyne the maximum temperature was 50·0°, and the mean temperature 40·3°. At Bristol the maximum temperature was 63·9°, and the mean temperature 50·3°. According to a return furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Barking was 148,893 cubic metres, equivalent to about as many tons by weight.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of April 1869: thus, according to their account, 97,313,153 gallons or 442,138 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 95·4 decalitres, rather less than a *ton* by weight, to each house, and 13·4 decalitres (= 29·6 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of April, it may be estimated that about 79,976,156 gallons were probably used for domestic purposes, or about 24·3 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	March 1869.	April 1869.	March 1869.	April 1869.
Total Supply . . .	462,097	463,428	94,584,402	97,313,153
From Thames	210,935	211,633	48,738,483	50,069,663
From Lea and from other Sources . .	251,162	251,795	45,845,919	47,243,490
Thames.				
Chelsea	27,083	27,212	8,306,300	8,108,700
West Middlesex	39,242	39,435	7,507,928	7,844,425
Southwark and Vauxhall . . .	72,335	72,377	13,649,260	13,713,627
Grand Junction	30,021	30,159	9,635,895	10,419,911
Lambeth	42,254	42,450	9,639,100	9,983,000
Lea and other Sources.				
New River	115,726	115,985	21,962,000	22,394,000
East London	97,971	97,971	17,750,000	18,216,868
Kent	37,465	37,839	6,133,919	6,632,622

Note.—The Return for April as compared with that for March shows an increase of 1331 houses, and an increase of 2,728,751 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Eighteenth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total **Births**	1903	1803	2008	1971	1975	1879	2074	2002	2381	2331	2032·7	2025
Males . .	956	903	951	987	1002	967	1006	1003	1193	1198	1016·6	1063
Females .	947	900	1057	984	973	912	1068	999	1188	1133	1016·1	962
Total **Deaths**	1108	1205	1261	1314	1374	1317	1236	1545	1237	1392	1298·9	1421
Males . .	561	612	652	659	705	651	627	782	642	696	658·7	717
Females .	547	593	609	655	669	666	609	763	595	696	640·2	704

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 8th day of May 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 8th May.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 8th May.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4087**	**3244**	**3080**	**67·5**	**30·0**	**45·1**	**1·77**	**179**	**19·72**	**−1·11**	**7·28**	**450**
London (Metropolis)	3,170,754	40·7	2070	2025	1462	1421	67·5	33·3	50·5	1·28	129	19·72	0·73	10·28	325
Bristol (City)	169,423	36·1	109	102	76	76 *	63·9	36·1	50·3	1·42	143	17·72	2·28	10·17	361
Birmingham (Borough)	360,846	46·1	283	175	175	113	63·0	35·2	47·2	2·35	237	17·22	1·78	8·44	597
Liverpool (Borough)	509,052	99·7	345	343	295	276	60·0	38·0	45·2	1·41	142	15·56	3·33	7·33	358
Manchester (City)	370,892	82·7	277	234	210	185 *	62·2	37·0	47·1	1·48	149	16·78	2·78	8·39	376
Salford (Borough)	119,350	23·1	89	90	60	58	60·5	37·0	45·2	1·67	169	15·84	2·78	7·33	424
Sheffield (Borough)	239,752	10·5	196	160	126	117	61·0	31·7	43·9	2·80	283	16·11	−0·17	6·61	711
Bradford (Borough)	138,522	21·0	105	67	71	55	57·2	35·5	43·5	2·22	224	14·00	1·95	6·39	564
Leeds (Borough)	253,110	11·7	189	130	129	112	59·0	37·0	44·6	2·17	219	15·00	2·78	7·01	551
Hull (Borough)	126,682	35·6	83	62	59	59	57·0	32·0	40·9	1·72	174	13·89	0·00	4·94	437
Newcastle-on-Tyne (Borough)	130,503	24·5	90	84	69	58	50·0	34·0	40·3	1·99	201	10·00	1·11	4·61	505
Edinburgh (City)	178,002	40·2	112	128	86	103	55·7	30·0	43·2	0·90	91	13·17	−1·11	6·22	229
Glasgow (City)	458,937	90·6	374	342	268	315	54·7	32·5	43·4	0·61	62	12·51	0·28	6·33	155
Dublin (City and some suburbs)	320,762	32·9	219	145	158	132	54·6	36·5	45·7	2·72	275	12·56	2·50	7·51	691
				Week ending 1st May 1869.		Week ending 1st May 1869.	Week ending 1st May 1869.					Week ending 1st May 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	346	..	..	55·6	..	..	..	..	13·13	..
				Week ending 6th May 1869.		Week ending 6th May 1869.	Week ending 6th May 1869.					Week ending 6th May 1869.			
Berlin (City)	(1867) 702,437	..	..	614	..	382	..	..	47·8	..	..	..	..	8·75	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol: D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 8th May 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2025	1421	3	21	53	7	91	43	19
WEST DISTRICTS -	282	206	-	1	2	1	16	5	5
NORTH DISTRICTS -	463	313	-	4	11	-	20	12	3
CENTRAL DISTRICTS -	184	178	-	6	2	2	9	7	3
EAST DISTRICTS -	445	335	-	5	30	2	17	9	5
SOUTH DISTRICTS -	651	389	3	5	8	2	29	10	3
WEST DISTRICTS.									
St. Mary Paddington *WH*	27	24	-	-	1	-	2	-	-
St. John Paddington H	11	11	-	-	-	-	1	-	1
Kensington Town *W* -	41	33	-	-	-	-	4	-	1
Brompton H - -	11	12	-	-	-	-	-	-	-
St. Peter Hammersmith	5	-	-	-	-	-	-	-	-
St. Paul Hammersmith	15	9	-	-	-	-	1	-	-
Fulham *W* - - -	19	13	-	-	1	1	1	-	-
Chelsea South H - -	20	12	-	-	-	-	-	2	-
Chelsea North-west H *Ww*	12	9	-	-	-	-	-	-	-
Chelsea North-east -	11	3	-	-	-	-	-	1	-
Hanover Square - -	8	5	-	-	-	-	1	1	-
May Fair *W* - -	5	1	-	-	-	-	-	-	-
Belgrave H - -	25	11	-	-	-	-	1	-	-
St. John Westminster -	29	20	-	-	-	-	2	1	1
St. Margaret West. *WH*	12	20	-	1	-	-	2	-	1
St. James's Square -	-	2	-	-	-	-	-	-	-
Golden Square *W* -	10	13	-	-	-	-	-	-	-
Berwick-street - -	6	4	-	-	-	-	1	-	1
St. Anne Soho - -	15	4	-	-	-	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	11	17	-	-	-	-	2	-	1
Cavendish Square - -	10	4	-	-	-	-	-	-	-
Rectory Marylebone *W*	11	20	-	1	1	-	4	-	-
St. Mary Marylebone -	24	9	-	-	1	-	2	1	-
Christchurch Marylebone	28	12	-	-	-	-	-	-	-
St. John Marylebone -	11	10	-	-	-	-	1	-	1
Hampstead *W* - -	10	10	-	-	-	-	-	-	-
Regent's Park Pancras -	25	11	-	-	-	-	-	1	-
Tottenham-court *w*H -	16	18	-	-	-	-	1	-	-
Gray's Inn Lane H -	16	14	-	-	-	-	2	-	-
Somers Town - -	16	20	-	-	-	-	1	3	-
Camden Town *W* -	15	10	-	-	-	-	1	-	-
Kentish Town - -	49	20	-	-	-	-	1	-	-
Islington West* *WHH*	67	53	-	2	1	-	1	7	1
Islington East *Ww* -	78	35	-	-	5	-	1	-	-
Stoke Newington - -	3	6	-	1	2	-	1	-	-
Stamford Hill - -	4	1	-	-	-	-	-	-	-
West Hackney - -	25	10	-	-	-	-	-	-	-
Hackney *Wllw* - -	30	20	-	-	-	-	2	-	-
South Hackney L -	14	13	-	-	1	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	8	9	-	-	-	-	-	-	1
St. Giles South *W* -	12	20	-	1	-	1	3	2	-
St. Giles North - -	3	11	-	-	-	-	1	1	-
Long Acre - - -	7	5	-	-	-	-	-	-	-
Charing Cross *WH* -	1	6	-	-	1	-	-	-	-
St. Mary-le-Strand -	7	3	-	-	-	1	-	-	-
St. Clement Danes H -	7	4	-	1	-	-	1	-	-
St. George-the-Martyr H	13	12	-	-	-	-	-	-	-
St. Andrew, East Holb. *W*	7	13	-	-	-	-	1	-	1
Saffron Hill - - -	4	3	-	-	-	-	-	1	-
St. James Clerkenwell *W*	13	11	-	-	-	-	-	-	-
Amwell Clerkenwell -	11	7	-	-	-	-	-	1	-
Pentonville - - -	8	7	-	-	-	-	1	-	-
Goswell-street - -	5	6	-	1	-	-	-	-	-
Old-street - - -	9	8	-	2	1	-	-	-	-
City-road HL - -	14	4	-	-	-	-	-	-	-
Whitecross-street - -	8	9	-	1	-	-	1	1	-
Finsbury - - -	5	5	-	-	-	-	-	-	1
St. Botolph East London	12	8	-	-	-	-	-	1	-
Cripplegate - - -	9	5	-	-	-	-	1	-	-
West London North *WH*	1	8	-	-	-	-	-	-	-
West London South -	6	6	-	-	-	-	-	-	-
London City South-west	4	-	-	-	-	-	-	-	-
London City North-west	2	1	-	-	-	-	-	-	-
London City South -	2	2	-	-	-	-	-	-	-
London City South-east	4	4	-	-	-	-	-	-	-
London City North-east	2	1	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	9	8	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	9	10	-	-	3	-	-	1	-
Hoxton New Town *w* -	21	16	-	-	2	-	1	-	-
Hoxton Old Town - -	23	9	-	-	-	-	-	-	-
Haggerstone West *W* -	13	19	-	-	3	-	1	1	-
Haggerstone East - -	19	6	-	-	1	-	1	-	-
Hackney-road - -	19	10	-	-	2	1	1	-	-
Green, Bthnl. Grn. *WH*L†	24	30	-	-	2	-	-	1	-
Church, Bethnal Green -	17	6	-	-	2	-	-	-	-
Town, Bethnal Green -	18	14	-	-	1	-	3	1	-
Artillery Whitechapel -	8	3	-	-	-	-	-	-	-
Spitalfields - - -	4	10	-	2	1	-	-	-	-
Mile End New Town *W*	7	14	-	1	-	-	1	-	-
Whitechapel North -	11	5	-	-	1	-	-	-	-
Whitechapel Church H	4	20	-	-	-	-	-	1	-
Goodman's Fields - -	9	6	-	-	1	-	1	-	-
Aldgate - - - -	3	7	-	-	-	-	-	1	-
St. Mary St. Geo. East -	11	7	-	1	-	-	1	-	-
St. Paul St. Geo. East -	9	6	-	-	-	1	-	-	-
St. John St. Geo. East *W*	11	3	-	-	-	-	-	-	-
Shadwell *W* - - -	5	8	-	-	-	-	-	-	-
Ratcliff *W* - - -	5	14	-	-	5	-	-	-	-
Limehouse *W* - -	16	9	-	-	2	-	1	-	-
Mile End Old Town, West	31	16	-	-	1	-	3	1	-
Mile End Old T., East *Ww*	35	27	-	1	-	-	-	2	-
Bow *ww*L† - - -	59	31	-	-	2	-	2	-	-
Poplar *W* - - -	39	21	-	-	1	-	1	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	10	6	-	-	-	-	-	-	-
St. Saviour Southwark H	7	9	-	-	-	-	1	2	-
St. Olave Southwark H	-	15	-	-	-	-	1	-	-
St. John Horsleydown *W*	11	10	-	1	-	-	-	-	-
St. James Bermondsey -	41	19	-	-	-	-	3	1	-
St. Mary Magdalen *W* -	9	13	-	-	-	-	2	-	-
Leather Market - -	11	4	-	-	-	-	-	-	-
Kent-road - -	15	6	-	1	-	-	1	-	-
Borough-road *W* - -	10	15	-	-	-	-	1	-	-
London-road L - -	10	10	-	-	-	-	1	1	-
Trinity Newington -	21	11	1	-	-	-	2	-	-
St. Peter Walworth *W*	34	17	-	1	-	-	-	1	-
St. Mary Newington H	12	6	1	-	-	-	-	-	-
Waterloo-road 1st -	11	5	-	-	-	-	1	-	-
Waterloo-road 2nd -	14	5	-	-	-	-	1	-	-
Lambeth Church 1st -	8	11	-	-	1	-	-	-	-
Lambeth Church 2nd *W*	37	20	-	1	-	1	1	-	-
Kennington 1st - -	24	14	-	-	-	-	-	-	-
Kennington 2nd - -	18	10	-	-	1	-	-	-	-
Brixton - - - -	17	11	-	-	-	-	-	1	-
Norwood *W* - - -	8	5	-	-	-	-	1	-	-
Clapham - - -	12	11	1	1	-	-	1	-	-
Battersea *Ww* - -	40	20	-	-	2	-	2	1	-
Wandsworth L - -	19	3	-	-	-	-	-	-	-
Putney - - - -	4	2	-	-	-	-	-	-	-
Streatham - - -	9	2	-	-	-	-	-	-	-
Dulwich - - -	1	-	-	-	-	-	-	-	-
Camberwell *WL*†L† -	18	11	-	-	1	-	1	-	-
Peckham - - -	25	9	-	-	-	-	1	1	-
St. George Camberwell -	27	16	-	-	1	-	3	-	-
Rotherhithe *W* - -	19	11	-	-	-	-	1	-	-
St. Paul Deptford - -	41	19	-	-	-	-	2	1	-
St. Nicholas Deptford -	5	3	-	-	-	-	-	-	-
Greenwich West H -	11	12	-	-	2	-	-	1	-
Greenwich East *WH* -	11	12	-	-	-	-	-	-	-
Eltham - - - -	1	2	-	-	-	-	-	-	-
Lee - - - - -	6	3	-	-	-	-	-	-	-
Lewisham Village *W* -	9	5	-	-	-	-	1	-	-
Sydenham - - -	14	5	-	-	-	-	1	-	-
Charlton H - - -	5	2	-	-	-	-	-	-	-
Woolwich Dockyard H	10	5	-	-	-	1	-	-	-
Woolwich Arsenal H -	12	4	-	-	-	-	-	-	-
Plumstead, West - -	11	4	-	-	-	-	-	-	1
Plumstead, East - -	13	6	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex - ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the EIGHTEENTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 7 1859	May 5 1860	May 4 1861	May 3 1862	May 2 1863	May 7 1864	May 6 1865	May 5 1866	May 4 1867	May 2 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 8, 1869. Deaths of Persons of the Ages: ALL AGES. Mean Temp.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	48°·5	50°·7	46°·3	53°·6	47°·8	52°·1	54°·1	42°·5	51°·5	53°·0	50°·0	50°·5						
	ALL CAUSES . . .	1108	1205	1261	1314	1374	1317	1236	1545	1237	1392	1298·9	1421	616	721	209	236	220	35
	SPECIFIED CAUSES .	1101	1185	1256	1299	1353	1305	1234	1517	1213	1385	1284·8	1414	611	716	208	235	220	35
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	258	235	299	321	389	319	215	364	207	311	291·8	293	215	251	14	20	7	1
II.	CONSTITUTIONAL „ .	243	254	283	282	287	281	303	308	274	273	278·8	328	69	102	115	86	24	1
III.	LOCAL „ .	458	505	498	482	494	521	507	609	504	573	515·1	601	221	251	69	117	150	14
IV.	DEVELOPMENTAL „ .	108	156	151	166	136	141	156	171	171	175	153·1	154	95	95	6	2	32	19
V.	VIOLENT DEATHS . .	34	35	25	48	47	43	53	65	57	53	46·0	38	11	17	4	10	7	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	243	215	281	296	360	296	192	329	181	273	266·6	272	196	232	13	19	7	1
	2. ENTHETIC „ . .	7	9	6	6	9	10	8	10	9	12	8·6	9	9	9	..	..	..	..
	3. DIETIC „ . .	5	10	11	15	19	10	13	20	14	21	13·8	10	8	8	1	1	..	..
	4. PARASITIC „ . .	3	1	1	4	1	3	2	5	3	5	2·8	2	2	2	..	..	..	..
II.	1. DIATHETIC „ . .	38	36	49	41	51	36	55	68	42	42	45·8	48	1	3	7	20	17	1
	2. TUBERCULAR „ . .	205	218	234	241	236	245	248	240	232	231	233·0	280	68	99	108	66	7	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	114	140	135	141	159	150	154	162	167	150	147·2	193	88	96	11	32	46	8
	2. „ OF ORGANS OF CIRCULATION .	57	66	56	51	60	56	46	74	62	68	59·6	62	..	4	10	23	24	1
	3. „ OF RESPIRATORY ORGANS . .	192	224	219	202	186	226	224	261	195	249	217·8	241	123	131	26	25	54	5
	4. „ OF DIGESTIVE ORGANS . . .	57	44	58	50	54	51	52	72	48	62	54·8	69	10	17	9	25	18	..
	5. „ OF URINARY ORGANS . . .	18	21	18	21	25	15	12	28	21	23	20·2	21	..	1	6	9	5	..
	6. „ OF ORGANS OF GENERATION .	5	1	5	2	5	8	7	2	8	10	5·3	7	..	..	3	3	1	..
	7. „ OF ORGANS OF LOCOMOTION .	4	3	3	8	3	9	8	6	1	9	5·4	4	..	2	1	..	1	..
	8. „ OF INTEGUMENTARY SYSTEM .	11	6	4	7	2	6	4	4	2	2	4·8	4	..	..	3	..	1	..
IV.	1. DEV. DISEASES OF CHILDREN	32	34	48	53	26	42	36	57	47	43	41·8	53	53	53	..	..	..	..
	2. „ OF ADULTS .	3	8	4	7	6	9	6	4	5	4	5·6	6	..	..	6	..	..	..
	3. „ OF OLD PEOPLE	38	61	40	49	58	38	45	52	47	55	48·3	45	..	..	..	..	26	19
	4. DISEASES OF NUTRITION .	35	53	59	57	46	52	69	58	72	73	57·4	50	42	42	..	2	6	..
V.	*1 ACCIDENT OR NEGLIGENCE .	32	30	20	37	36	35	43	56	46	43	37·8	27	11	16	3	5	3	..
	3. HOMICIDE	2	2	1	3	5	1	..	1	3	2	2·0	..	..	..	..	..	..	..
	4. SUICIDE	..	3	4	8	5	6	10	8	8	7	5·9	11	..	1	1	5	4	..
	5. EXECUTION	..	..	..	..	1	1	..	..	..	..	·2	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	3	2	1	10	4	2	..	7	1	1	3·1	1	..	..	..	1	..	..
	CAUSES NOT SPECIFIED . .	4	18	4	5	17	10	2	21	23	6	11·0	6	5	5	1	..	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 7 1859	May 5 1860	May 4 1861	May 3 1862	May 2 1863	May 7 1864	May 6 1865	May 5 1866	May 4 1867	May 2 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 8, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	48°5	50°7	46°3	53°6	47°8	52°1	54°1	42°5	51°5	53°0	50°0	Mean Temp. 50°5						
I.	ORDER 1.																		
	1. Small-pox	26	18	8	2	68	9	19	26	26	23	22·5	3	1	2	..	1	..	..
	2. Measles	21	38	30	28	47	55	9	55	10	66	35·9	21	20	21	..	..	..	..
	3. Scarlet Fever (Scarlatina)	55	35	25	53	74	40	24	31	19	29	38·5	53	35	51	2	..	..	..
	4. Diphtheria	14	7	8	7	12	9	4	4	13	12	9·0	7	7	7	..	..	..	..
	5. Quinsy	2	2	3	4	2	..	1	..	..	1	1·5	..	..	..	..	..	..	..
	6. Croup	7	4	13	13	22	20	5	19	6	13	12·2	16	13	16	..	..	..	..
	7. Whooping-cough	42	53	124	51	48	61	55	113	36	56	63·9	91	89	91	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	43	24	29	101	58	65	43	39	36	40	47·8	9 21 13	.. 4 7	.. 11 9	1 5 ..	7 4 1	1 1 2	 1
	9. Erysipelas	6	1	3	3	11	6	4	6	4	3	4·7	3	1	1	1	1	..	..
	10. Puerperal Fever (Metria)	2	1	6	2	4	4	4	2	5	5	3·5	5	..	2	2	1	..	..
	11. Carbuncle	2	2	1	1	..	..	1	1	1	..	·9	1	..	..	..	..	1	..
	12. Influenza	..	3	..	2	..	1	..	2	2	1	1·1	..	..	..	..	..	..	..
	13. Dysentery	3	3	1	2	..	2	1	2	1	1	1·6	3	1	1	1	1	..	..
	14. Diarrhœa	8	12	16	15	9	18	14	16	15	13	13·6	19	16	17	..	..	2	..
	15. Simple Cholera	..	..	..	..	..	..	1	1	..	..	·2	2	2	2	..	..	..	..
	16. Ague	1	2	1	2	..	..	1	1	..	..	·8	1	..	..	..	1	..	..
	17. Remittent Fever	2	3	3	3	1	1	1	..	..	..	1·4	..	..	..	..	..	..	..
	18. Rheumatism	9	7	10	7	4	5	5	11	7	9	7·4	4	..	1	1	2	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	5	7	5	6	8	9	5	8	8	12	7·3	9	9	9	..	..	..	..
	2. Stricture of Urethra	2	2	1	..	1	1	3	2	1	..	1·3	..	..	..	..	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	1	..	3	2	1	..	..	2	1	1·0	..	..	..	..	..	..	..
	2. Want of Breast-milk	3	4	5	6	4	5	6	10	4	13	6·0	6	6	6	..	..	..	..
	3. Purpura and Scurvy	1	..	2	1	4	..	1	3	3	2	1·7	2	2	2	..	..	..	..
	4. Alcoholism (*a* Del. Tremens; *b* Intemperance)	..	3	3	3	4	4	6	1	2	4	3·0	2	..	..	1	1	..	..
		1	2	1	2	5	..	..	6	3	1	2·1	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	3	1	1	3	1	3	2	4	2	4	2·4	2	2	2	..	..	..	..
	2. Worms, &c.	..	..	..	1	..	..	..	1	1	1	·4	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	3	3	2	..	..	2	3	2	..	1·7	..	..	..	..	..	..	..
	2. Dropsy	14	8	16	10	11	6	14	22	12	11	12·4	15	1	3	..	4	8	..
	3. Cancer	18	19	27	25	37	28	33	38	26	27	27·8	30	..	..	7	15	8	..
	4. Cancrum Oris (Noma)	1	2	..	..	1	..	1	..	..	1	·6	..	..	..	..	..	..	..
	5. Mortification	3	4	3	4	2	2	5	5	2	3	3·3	3	..	..	..	1	1	1
	ORDER 2.																		
	1. Scrofula	6	6	17	9	15	13	8	18	7	7	10·6	8	4	7	1	..	..	..
	2. Tabes Mesenterica	12	17	15	10	20	17	21	21	26	19	17·8	19	18	19	..	..	..	..
	3. Phthisis	155	167	166	190	157	183	195	172	168	167	172·0	216	12	36	107	66	7	..
	4. Hydrocephalus	32	28	36	32	44	32	24	29	31	38	32·6	37	34	37	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	13	21	9	10	10	9	25	11	22	15	14·5	23	18	21	1	..	1	..
	2. Apoplexy	28	35	25	20	29	27	32	42	36	40	31·4	47	4	4	3	16	21	3
	3. Paralysis	24	30	22	26	33	41	17	34	35	22	28·4	40	..	1	3	11	21	4
	4. Insanity	1	..	2	3	..	2	1	..	4	1	1·4	..	..	..	..	..	..	..
	5. Chorea	..	..	..	..	..	..	2	..	1	..	·3	..	..	..	..	..	..	..
	6. Epilepsy	3	4	7	10	9	9	5	3	8	7	6·5	4	..	1	2	1	..	..
	7. Convulsions	31	35	58	53	57	41	61	50	46	49	48·1	65	64	65	..	..	..	..
	8. *Brain Disease, &c.*	14	15	12	19	21	21	11	22	15	16	16·6	14	2	4	2	4	3	1
	ORDER 2.																		
	1. Pericarditis	5	2	2	5	3	6	..	2	2	3	3·0	4	..	2	1	1	..	..
	2. Aneurism	1	2	1	2	3	..	4	..	5	1	1·9	4	..	..	2	2	..	..
	3. *Heart Disease, &c.*	51	62	53	44	54	50	42	72	55	64	54·7	54	..	2	7	20	24	1
	ORDER 3.																		
	1. Laryngitis	9	8	8	11	4	11	6	7	5	8	7·7	8	8	8	..	..	..	..
	2. Bronchitis	91	139	124	107	98	121	121	142	107	142	119·2	131	52	54	14	15	44	4
	3. Pleurisy	2	4	3	1	2	1	5	..	3	3	2·4	4	..	..	3	1	..	..
	4. Pneumonia	71	59	65	64	67	74	75	85	58	77	69·5	85	58	63	9	9	4	..
	5. Asthma	10	10	6	5	9	11	3	6	5	6	7·1	6	..	..	..	..	5	1
	6. *Lung Disease, &c.*	9	4	13	14	6	8	14	21	17	13	11·9	7	5	6	..	..	1	..
	ORDER 4.																		
	1. Gastritis	3	1	2	..	1	1	2	4	2	4	2·0	4	..	..	..	3	1	..
	2. Enteritis	10	7	3	4	9	4	8	8	7	6	6·6	6	1	4	2	..	..	..
	3. Peritonitis	4	1	8	2	3	5	6	7	2	4	4·2	7	..	3	1	2	1	..
	4. Ascites	3	4	3	5	3	1	5	1	2	3	3·0	3	..	..	..	2	1	..
	5. Ulceration of Intestines	1	1	2	2	4	5	3	3	3	3	2·7	4	1	1	..	2	1	..
	6. Hernia	3	2	4	4	..	2	..	2	2	4	2·3	5	1	1	1	1	2	..
	7. Ileus	4	6	7	4	4	1	5	4	2	5	4·2	2	..	..	..	1	1	..
	8. Intussusception	3	2	2	..	..	..	1	1	..	1	1·0	1	1	1	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

the EIGHTEENTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 7 1859	May 5 1860	May 4 1861	May 3 1862	May 2 1863	May 7 1864	May 6 1865	May 5 1866	May 4 1867	May 2 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 8, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	48°·5	50°·7	46°·3	53°·6	47°·8	52°·1	54°·1	42°·5	51°·5	53°·0	50°·0	Mean Temp. 50°·5						
	9. Stricture of Intestines	1	2	..	1	2	1	..	..	1	..	·8	1	..	..	..	1	..	..
	10. Fistula	..	..	1	..	1	..	..	..	..	1	·3	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	7	3	4	7	6	6	6	10	5	3	5·7	7	..	..	1	6	..	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	3	2	2	4	3	6	5	4	4	3	3·6	1	..	..	..	1	..	..
	14. Jaundice	1	1	2	5	3	5	1	8	7	5	3·8	13	6	6	..	1	6	..
	15. *Liver Disease, &c.*	13	12	18	12	15	14	10	19	11	20	14·4	15	..	1	4	5	5	..
	16. *Spleen Disease, &c.*	1	..	..	..	..	..	..	1	..	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	1	..	..	1	2	..	1	1	..	·6	..	..	..	..	..	..	..
	2. Ischuria	..	..	..	2	..	..	..	..	..	1	·3	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	7	6	8	12	10	5	8	12	12	15	9·5	12	..	1	4	6	1	..
	4. Diabetes	1	2	4	3	3	..	..	1	..	1	1·5	..	..	..	..	..	..	..
	5. Calculus (Stone)	2	1	1	..	2	1	..	2	1	..	1·0	1	..	..	..	..	1	..
	6. Cystitis	2	..	..	1	2	..	..	1	..	1	·7	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	6	11	5	3	7	7	4	11	7	5	6·6	7	..	..	2	3	2	..
	ORDER 6.																		
	1 Ovarian Dropsy	..	..	..	..	2	..	..	1	3	2	·8	1	..	..	..	1	..	..
	2. *Uterus Disease, &c.*	5	1	5	2	3	8	7	1	5	8	4·5	6	..	..	3	2	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	1	..	2	..	1	·4	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	4	3	3	8	3	8	8	4	1	8	5·0	4	..	2	1	..	1	..
	ORDER 8.																		
	1. Phlegmon	7	1	3	4	..	1	1	1	1	1	2·0	2	..	..	2	..	..	..
	2. Ulcer	2	3	..	1	1	2	2	1	1	..	1·3	1	..	..	..	..	1	..
	3. *Skin Disease, &c.*	2	2	1	2	1	3	1	2	..	1	1·5	1	..	..	1	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	13	18	17	21	12	16	20	32	25	20	19·4	27	27	27	..	..	..	..
	2. Cyanosis	2	..	3	2	2	3	..	1	4	2	1·9	2	2	2	..	..	..	..
	3. Spina Bifida	1	2	..	1	2	3	..	..	1	..	1·0	1	1	1	..	..	..	..
	4. Other Malformations	..	1	4	..	1	2	4	1	2	..	1·5	2	2	2	..	..	..	..
	5. Teething	16	13	24	29	9	18	12	23	15	21	18·0	21	21	21	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	8	4	7	6	9	6	4	5	4	5·6	6	..	..	6	..	..	..
	ORDER 3.																		
	1. Old Age	38	61	40	49	58	38	45	52	47	55	48·3	45	..	..	..	..	26	19
	ORDER 4.																		
	1. Atrophy and Debility	35	53	59	57	46	52	69	58	72	73	57·4	50	42	42	..	2	6	..
V.	ORDER 1. (ACCIDENT OR NEGLIGENCE.)																		
	1. Fractures and Contusions	14	10	4	16	14	19	27	19	21	21	16·5	7	1	3	..	2	2	..
	2. Wounds	..	..	1	1	..	..	..	..	..	..	·2	1	..	..	..	..	1	..
	3. Burns and Scalds	5	9	5	4	6	1	7	7	2	4	5·0	4	2	2	1	1	..	..
	4. Poison	..	..	1	..	1	1	1	3	4	..	1·1	..	..	..	..	..	..	..
	5. Drowning	4	5	5	11	8	7	2	13	6	5	6·6	6	1	3	2	1	..	..
	6. Suffocation	8	5	4	4	2	3	3	11	10	11	6·1	6	6	6	..	..	..	..
	7. Otherwise	1	1	..	1	5	4	3	3	3	2	2·3	3	1	2	..	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	2	1	3	5	1	..	1	3	2	2·0	..	..	..	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	1	1	..	..	..	..	1	..	·3	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	..	..	..	..	..	4	..	3	1	·8	1	..	..	..	..	1	..
	2. Poison	..	1	1	..	..	..	4	3	1	..	1·0	4	..	..	1	3	..	..
	3. Drowning	..	..	1	2	2	3	..	1	..	3	1·2	3	..	1	..	1	1	..
	4. Hanging	..	1	1	5	2	1	1	3	2	2	1·8	3	..	..	..	1	2	..
	5. Otherwise	..	1	..	..	1	2	1	1	1	1	·8	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	1	1	..	..	..	..	·2	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	3	2	1	10	4	2	..	7	1	1	3·1	1	..	..	..	1	..	..
	Causes not specified or ill-defined	4	18	4	5	17	10	2	21	23	6	11·0	6	5	5	1	..	..	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 8th May 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
May.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday	2	..	29·879	65·2	33·3	31·9	48·5	44·8	127·1	26·4	56·4	54·4	3·7	18·7	0·0	— 1·8	87	WSW.	ESE.	1·3	0·0	0·0	160	0·00	5
Monday	3	Last Quarter	29·727	64·3	43·5	20·8	51·3	46·8	117·5	39·5	55·4	53·4	4·5	13·1	0·0	+ 0·5	85	ESE.	SW., SE., & E.	1·3	0·0	0·0	155	0·37	5
Tuesday	4	..	29·739	47·0	40·2	6·8	42·5	40·7	58·7	39·2	55·4	52·9	1·8	4·2	0·0	— 8·7	93	ENE.	ENE.	2·2	0·0	0·5	332	0·63	6
Wednesday	5	..	29·689	57·6	38·0	19·6	48·2	43·9	117·6	36·0	54·4	52·4	4·3	11·8	0·0	— 3·3	85	ENE., E., & ESE.	E.	2·6	0·0	0·4	263	0·00	6
Thursday	6	Apogee	29·067	67·5	46·4	21·1	53·8	52·1	103·9	44·2	54·9	53·4	1·7	8·6	0·0	+ 2·1	94	E. & ESE.	SW.	2·2	0·0	0·2	238	0·08	4
Friday	7	..	29·0 2	65·2	52·1	13·1	57·2	50·5	120·5	48·5	55·4	53·7	6·7	12·0	1·4	+ 5·5	78	SSW.	SW.	4·9	0·0	0·6	349	0·03	6
Saturday	8	In Equator	29·196	60·8	47·4	13·4	52·2	49·5	94·4	42·3	55·9	54·4	2·7	8·7	0·0	+ 0·5	91	SSE. & SE.	SW. & SSW.	5·9	0·0	0·4	262	0·17	7
Means		..	29·480	61·1	43·0	18·1	50·5	46·9	105·7	39·4	55·4	53·5	3·6	11·0	0·2	— 0·7	88	Variable.		..	..	..	Sum 1759	Sum 1·28	5·6
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. May.		Electricity.	Sky and Atmosphere.
Sunday	2	No electricity was shown.	A fine day; light clouds prevailed till evening, then overcast.
Monday	3		Overcast generally. At night rain fell heavily.
Tuesday	4		Overcast. Rain fell throughout the day till about 6h. P.M.
Wednesday	5		A fine day; light clouds generally prevailed.
Thursday	6		Generally cloudy. Rain fell heavily in the early morning hours, and a shower fell between 2h. P.M. and 2h. 30m. P.M.
Friday	7		Very variable. Occasional rain. Lightning was seen about 10h. P.M.
Saturday	8	The insulating lamp was not burning.	Overcast throughout the morning, and rain fell frequently; fine, and partially cloudy during the afternoon and evening.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·93 in. at the beginning of the week to 29·57 in. by 9h. P.M. on the 3d; increased to 29·84 in. by 9h. P.M. on the 4th; decreased to 29·01 in. by 9h. P.M. on the 6th; and was 29·35 in. at the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 19. 1869. Vol. XXX.] Week ending Saturday, May 15. [Price 1*d.*

General Register Office, Somerset House, 17th May 1869.

In the week that ended on Saturday, 15th May, 4552 births, and 3010 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 24 per 1000 persons living.

The annual rate of mortality last week was 21 per 1000 in London, 31 in Edinburgh, and 20 in Dublin; 23 in Bristol, 21 in Birmingham, 30 in Liverpool, 24 in Manchester, 21 in Salford, 26 in Sheffield, 30 in Bradford, 23 in Leeds, 25 in Hull, 28 in Newcastle-upon-Tyne, and 38 in Glasgow. The rate in Vienna was 37 per 1000 during the week ending the 8th inst., and in Berlin 32 per 1000 during the seven days ending the 13th instant.

In London the births of 1024 boys and 988 girls, in all 2012 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2178.

The deaths registered in London during the week were 1279. It was the nineteenth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1409. The deaths in the present return are less by 130 than the estimated amount, and are less by 142 than the number recorded in the preceding week.

The deaths from zymotic diseases were 272, the corrected average number being 317. Four deaths from small-pox, 24 from measles, 56 from scarlet fever, 6 from diphtheria, 87 from whooping-cough, 18 from typhus fever, 16 from enteric fever, 8 from simple continued fever, and 10 from diarrhœa were registered.

Three deaths from scarlet fever were registered in the West districts, 7 in the North, 4 in the Central, 29 in the East, and 13 in the South districts.

One hundred and sixty-nine deaths occurred from phthisis, 117 from bronchitis, and 69 from pneumonia. The corrected average number of deaths from phthisis is 189, from bronchitis 117, and from pneumonia 75. In the preceding week which ended 8th May, the deaths from these diseases were 216, 131, and 85 respectively.

Sixty-five persons died from diseases of the heart, and 160 from diseases of the brain and nervous system.

The deaths of 2 persons from delirium tremens, of 7 infants and 2 adults from syphilis, of 7 persons from drowning, of 9 infants and one adult from suffocation, of 4 children and one adult from burns or scalds, and of 8 persons who committed suicide were registered.

Three nonagenarians died during the week; and the widow of a gardener died on 8th May at 2 Nelson-street, Camberwell, at the age (as stated) of 101 years.

The following deaths of 8 persons killed by horses or vehicles in the streets were recorded:—

A cheesemonger, aged 43 years, "run over by a brewer's dray." Died on 8th May in the Hammersmith-road. (*Inquest.*)

A cabdriver, aged 56 years, "fracture of ribs by falling from a cab." Died on 6th May near the Middlesex Hospital. *Post mort.* (*Inquest.*)

A boy, aged 12 years, "inflammation of brain caused by having been run over by a cab." Died on 3d May at 43 Bemerton-street, Islington. *Post mort.* (*Inquest.*)

A gate-keeper, aged 44 yrs., "run over by a waggon." Died on 8th May in London Hospital. (*Inq.*)

The daughter of a toy-maker, aged 2 years, "run over by a cart." Died on 9th May at 1 William's-terrace, Blue-anchor-road, Bermondsey. (*Inquest.*)

The son of a hearthstone-vendor, aged 5 years, "fractured ribs from the overturning of a cart "in collision with a dray." Died on 3d May in St. Thomas's Hospital. (*Inquest.*)

The son of a carman, aged 7 years, "fracture of skull, run over by a cart." Died on 7th May at Battersea. (*Inquest.*)

The son of a leather-dresser, aged 2 years, "run over by a van." Died on 11th May in Guy's Hospital. *Post mort.* (*Inquest.*)

The expected number of deaths by horses or vehicles in the streets is 74 in 19 weeks; the actual numbers registered in the 19 weeks of this year are also 74. Seven persons were killed by horses, 2 by carriages, 4 by omnibuses, 10 by cabs, 22 by vans or waggons, and 28 by carts. One person was killed by a dray. The actual numbers recorded to the 8th May amounted to 66, the calculated number to that date was 70.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·743 in. The barometrical reading increased from 29·35 in. on Monday, 10th May, to 30·08 in. on Thursday, 13th May. The mean temperature of the air in the week was 51·2°, which is 0·2° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 68·3° on Monday, 10th May. The lowest night temperature was 37·3° on Thursday, 13th May. The entire range of temperature in the week was, therefore, 31·0°. The mean of the highest temperatures of the water of the Thames was 55·4°; that of the lowest was 52·9°. The difference between the mean dew-point temperature and air temperature was 6·4°. The mean degree of humidity of the air was 79, complete saturation being represented by 100. Rain fell to the amount of 0·35 in. The general direction of the wind was E.N.E. and N.N.E. A gale prevailed on Friday 14th, and Saturday, 15th May. Lightning was seen about 10 P.M. on the night of Tuesday, 11th May. A brilliant aurora was seen on the night of Thursday, 13th May. The aurora was also observed at Bristol, Liverpool, Manchester, and Bradford. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 191,786 cubic metres, and at Barking 163,211 cubic metres, equivalent to about as many tons by weight. In the week which ended on Saturday, 8th May, the daily average quantity of sewage pumped into the Thames at Crossness was 229,890 cubic metres.

LONDON.—BIRTHS and DEATHS Registered LAST WEEK, and in the NINETEENTH Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1816	1605	1848	1946	2155	1936	1999	2088	2148	2256	1979·7	2012
Males . .	993	786	972	1015	1078	963	1008	1076	1119	1154	1016·4	1024
Females . .	823	819	876	931	1077	973	991	1012	1029	1102	963·3	988
Total Deaths	1070	1111	1240	1249	1459	1306	1167	1628	1235	1340	1280·5	1279
Males . .	517	556	633	639	746	654	580	819	642	705	649·1	679
Females . .	553	555	607	610	713	652	587	809	593	635	631·4	600

LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Feb. 20.	Feb. 27.	Mar. 6.	Mar. 13.	Mar. 20.	Mar. 27.	Apr. 3.	Apr. 10.	Apr. 17.	Apr. 24.	May 1.	May 8.	May 15.
Deaths - - - -	1491	1419	1487	1519	1549	1590	1670	1550	1595	1377	1288	1421	1279
Deaths under 5 years of age -	572	535	592	615	582	603	678	601	662	614	563	616	536
Deaths under 20 years of age	697	647	682	721	698	703	786	698	772	696	656	721	631
Deaths 20—40 - - -	223	208	217	199	204	228	211	215	235	199	183	209	208
Deaths 40–60 - - -	268	253	279	254	268	289	282	260	254	211	211	236	210
Deaths at 60 years of age and upwards - - -	303	311	309	345	379	370	391	377	324	271	238	255	230
Deaths from Smallpox - -	6	2	6	7	3	2	4	4	2	4	8	3	4
,, ,, Measles - -	15	12	25	27	20	30	31	34	28	18	20	21	24
,, ,, Scarlet Fever -	39	43	56	39	33	43	44	39	41	38	42	53	56
,, ,, Diphtheria -	10	7	4	6	5	4	6	5	3	6	4	7	6
,, ,, Whooping-cough	82	50	65	81	67	71	73	85	103	97	81	91	87
,, ,, Typhus fever -	23	26	15	19	20	14	20	17	24	24	19	9	18
,, ,, Enteric fever -	37	18	26	27	26	21	21	19	14	19	21	21	16
,, ,, Simple Cont^{d} fever	19	20	11	17	16	22	16	12	17	10	7	13	8
,, ,, Diarrhœa - -	14	9	18	19	13	16	19	12	21	21	10	19	10
,, ,, Phthisis - -	189	184	161	176	187	197	179	195	192	184	156	216	169
,, ,, Bronchitis - -	171	185	196	230	244	262	269	249	191	147	111	131	117
,, ,, Pneumonia -	74	78	98	90	99	103	102	104	95	86	89	85	69
,, ,, Heart Disease -	77	72	60	74	74	80	82	65	67	50	59	54	65
Mean Temperature of the Air	45°·5	40°·9	39°·1	35°·6	36°·9	38°·7	39°·0	47°·1	55°·2	50°·3	51°·9	50°·5	51°·2
Mean Temperature of the Water of the Thames -	45·0	43·3	42·2	40·8	38·8	41·0	40·7	43·8	52·7	52·9	54·7	54·4	54·1
Humidity of the Air - -	83	82	76	82	84	84	83	88	81	83	74	88	79
Rain-fall in inches - -	0·17	0·70	0·47	0·04	0·57	0·27	0·24	0·17	0·46	0·25	0·00	1·28	0·35

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Wandsworth was not received when the Tables were under preparation, but an average of 7, derived from the returns of six previous weeks, is substituted for the true number, which is 9.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 15th day of May 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 15th May.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 15th May.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4552**	**3244**	**3010**	**68·3**	**29·6**	**47·3**	**0·45**	**45**	**20·17**	**−1·33**	**8·50**	**114**
London (Metropolis . .	3,170,754	40·7	2070	2012	1462	1279	68·3	37·3	51·2	0·35	35	20·17	2·95	10·67	89
Bristol . . (City) .	169,423	36·1	109	132	76	75 *	67·0	36·4	50·3	1·18	119	19·44	2·44	10·17	300
Birmingham . (Borough) .	360,846	46·1	283	298	175	142	63·7	36·0	48·4	1·47	148	17·51	2·22	9·11	373
Liverpool . . (Borough) .	509,052	99·7	345	386	295	294	58·5	39·6	47·3	0·37	37	14·72	4·23	8·50	94
Manchester . (City) .	370,892	82·7	277	257	210	170 *	62·0	33·0	49·1	0·34	34	16·67	0·56	9·50	86
Salford . . (Borough) .	119,350	23·1	89	107	60	49	61·8	32·1	46·9	0·41	41	16·56	0·06	8·28	104
Sheffield . . (Borough) .	239,752	10·5	196	168	126	119	65·0	36·5	48·0	0·42	42	18·33	2·50	8·89	107
Bradford . . (Borough) .	138,522	21·0	105	80	71	80	61·7	37·1	47·1	0·44	44	16·50	2·84	8·39	112
Leeds . . . (Borough .	253,110	11·7	189	227	129	111	63·0	37·0	46·7	0·34	34	17·22	2·78	8·17	86
Hull . . . (Borough) .	126,682	35·6	83	75	59	61	66·0	34·0	46·4	0·41	41	18·89	1·11	8·00	104
Newcastle-on-Tyne (Borough)	130,503	24·5	90	150	69	70	54·0	35·0	43·9	0·08	8	12·22	1·67	6·61	20
Edinburgh . (City) .	178,002	40·2	112	120	86	106	60·7	31·0	45·0	0·20	20	15·95	−0·56	7·22	51
Glasgow . . (City) .	458,937	90·6	374	369	268	334	60·4	30·5	45·1	0·07	7	15·78	−0.83	7·28	17
Dublin (City and some suburbs)	320,762	32·9	219	171	158	120	56·6	29·6	46·7	0·18	18	13·67	−1·33	8·17	46
				Week ending 8th May 1869.		Week ending 8th May 1869.	Week ending 8th May 1869.					Week ending 8th May 1869.			
Vienna . . (City) .	(1863) 560,000	..	..	..	..	396	..	..	57·0	..	..	..	..	13·88	..
				Week ending 13th May 1869.		Week ending 13th May 1869.	Week ending 13th May 1869.					Week ending 13th May 1869.			
Berlin . . (City) .	(1867) 702,437	..	..	535	..	443	..	..	61·9	..	..	..	..	16·62	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool: T. Mackereth, Esq., Eccles, near Manchester: G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 15th May, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2012	1279	4	24	56	6	87	42	10
WEST DISTRICTS -	308	187	-	4	3	2	5	4	3
NORTH DISTRICTS -	459	292	3	4	7	-	21	16	3
CENTRAL DISTRICTS	194	160	-	4	4	2	11	3	1
EAST DISTRICTS -	446	300	1	6	29	1	24	7	1
SOUTH DISTRICTS -	605	340	-	6	13	1	26	12	2
WEST DISTRICTS.									
St. Mary Paddington *WH*	36	19	-	1	1	-	-	1	-
St. John Paddington H	12	8	-	-	-	-	-	-	1
Kensington Town *W* -	62	37	-	-	1	-	2	-	1
Brompton H - -	17	9	-	1	-	-	1	-	-
St. Peter Hammersmith	3	4	-	-	-	-	1	-	-
St. Paul Hammersmith	14	12	-	-	-	-	-	-	-
Fulham *W* - - -	18	8	-	-	-	1	-	-	1
Chelsea South H - -	12	13	-	-	-	-	-	-	-
ChelseaNorth-west H*Ww*	10	12	-	-	-	-	-	-	-
Chelsea North-east -	11	2	-	-	-	-	-	-	-
Hanover Square - -	10	6	-	-	-	-	1	1	-
May Fair *W* - -	3	11	-	-	-	-	-	-	-
Belgrave H - - -	39	22	-	-	1	1	-	-	-
St. John Westminster -	20	6	-	1	-	-	-	-	-
St. Margaret West. *WH*	15	4	-	-	-	-	-	-	-
St. James's Square -	4	2	-	-	-	-	-	1	-
Golden Square *W* -	5	-	-	-	-	-	-	-	-
Berwick-street - -	6	3	-	-	-	-	-	-	-
St. Anne Soho - -	11	9	-	1	-	-	-	1	-
NORTH DISTRICTS.									
All Souls Marylebone H	9	17	-	-	-	-	1	-	-
Cavendish Square - -	5	3	-	-	-	-	-	-	1
Rectory Marylebone *W*	21	17	-	-	-	-	3	-	-
St. Mary Marylebone -	19	5	-	-	-	-	-	-	-
Christchurch Marylebone	28	8	-	-	-	-	1	-	-
St. John Marylebone -	20	16	-	-	1	-	-	1	-
Hampstead *W* - -	10	15	-	-	1	-	1	-	-
Regent's Park Pancras -	17	7	-	-	-	-	1	-	-
Tottenham-court *w*H -	16	12	-	1	-	-	-	-	-
Gray's Inn Lane H -	15	8	-	-	-	-	-	-	-
Somers Town - -	19	19	-	-	-	-	-	-	-
Camden Town *W* -	17	15	-	-	-	-	1	-	-
Kentish Town - -	60	21	-	-	-	-	5	-	-
Islington West* *WHH*	62	59	3	3	-	-	4	12	-
Islington East *Ww* -	67	44	-	-	4	-	3	2	2
Stoke Newington - -	8	1	-	-	-	-	-	-	-
Stamford Hill - -	4	3	-	-	-	-	-	-	-
West Hackney - -	18	3	-	-	-	-	-	-	-
Hackney *WHw* - -	26	9	-	-	-	-	-	1	-
South Hackney L -	23	10	-	-	1	-	1	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	7	6	-	-	-	-	-	-	-
St. Giles South *W* -	12	9	-	1	-	-	2	-	-
St. Giles North - -	9	8	-	-	-	-	-	-	-
Long Acre - - -	9	5	-	-	-	-	-	-	-
Charing Cross *WH* -	6	2	-	-	-	-	-	-	-
St. Mary-le Strand -	6	2	-	-	-	-	-	-	-
St. Clement Danes H -	6	10	-	1	-	-	-	1	-
St. George-the-Martyr H	13	9	-	-	2	1	2	-	-
St. Andrew, East Holb. *W*	5	7	-	-	-	-	1	-	-
Saffron Hill - - -	5	5	-	-	1	-	-	-	-
St. James Clerkenwell *W*	7	12	-	1	-	-	1	1	1
Amwell Clerkenwell -	11	1	-	-	-	-	-	-	-
Pentonville - - -	5	5	-	-	-	-	-	-	-
Goswell-street - -	12	7	-	-	-	-	1	-	-
Old-street - - -	7	5	-	-	-	-	-	-	-
City-road HL - -	22	5	-	-	-	-	-	-	-
Whitecross-street - -	8	3	-	1	-	-	-	-	-
Finsbury - - -	7	7	-	-	-	-	1	-	-
St. Botolph East London	9	6	-	-	-	-	-	-	-
Cripplegate - - -	5	7	-	-	-	-	2	-	-
West London North *WH*	2	18	-	-	-	-	-	-	-
West London South -	7	10	-	-	-	-	1	1	-
London City South-west	1	3	-	-	-	-	-	-	-
London City North-west	1	1	-	-	-	-	-	-	-
London City South -	1	2	-	-	1	-	-	-	-
London City South-east	5	2	-	-	-	1	-	-	-
London City North-east	6	3	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	15	5	-	-	-	-	1	-	-
St. Leonard Shrdtch. L†	18	7	-	-	-	-	-	1	-
Hoxton New Town *w* -	22	14	-	-	1	-	-	-	-
Hoxton Old Town - -	15	8	-	-	1	-	2	1	-
Haggerstone West *W* -	21	11	-	-	-	-	-	-	-
Haggerstone East - -	18	9	-	-	-	-	4	-	-
Hackney road - -	20	9	-	-	3	-	-	-	-
Green, Bthnl.Grn. *WHL*†	27	23	-	-	1	-	1	-	-
Church, Bethnal Green	25	8	-	-	-	-	2	-	-
Town, Bethnal Green -	17	11	-	1	3	1	2	-	-
Artillery Whitechapel -	4	2	-	-	-	-	1	-	-
Spitalfields - - -	9	2	-	-	1	-	-	-	-
Mile End New Town *W*	10	15	-	1	-	-	2	1	-
Whitechapel North -	11	4	-	-	-	-	-	-	-
Whitechapel Church H	3	9	-	-	-	-	-	1	-
Goodman's Fields - -	10	4	-	1	-	-	-	-	-
Aldgate - - - -	1	4	-	-	2	-	-	-	-
St. Mary St. Geo. East -	21	9	-	2	1	-	-	-	-
St. Paul St. Geo. East -	13	13	-	1	2	-	-	-	-
St. John St. Geo. East *W*	3	7	-	-	1	-	-	-	-
Shadwell *W* - - -	5	7	-	-	-	-	1	-	1
Ratcliff *W* - - -	7	9	-	-	4	-	-	-	-
Limehouse *W* - -	17	10	-	-	2	-	1	1	-
Mile End Old Town, West	26	10	-	-	2	-	2	-	-
Mile End Old T., East *Ww*	30	37	1	-	-	-	3	1	-
Bow *ww*L† - - -	47	24	-	-	4	-	-	1	-
Poplar *W* - - -	31	29	-	-	1	-	2	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	12	6	-	-	-	-	1	-	-
St. Saviour Southwark H	9	7	-	-	-	-	-	1	-
St. Olave Southwark H	-	7	-	-	-	-	-	-	-
St. John Horsleydown *W*	4	7	-	-	1	-	-	-	-
St. James Bermondsey -	29	18	-	-	-	-	5	1	-
St. Mary Magdalen *W*	12	7	-	-	1	-	-	-	-
Leather Market - -	9	9	-	-	3	-	-	-	-
Kent-road - - -	20	9	-	1	-	-	-	1	-
Borough-road *W* - -	18	12	-	-	-	-	-	-	1
London-road L - -	20	9	-	1	-	-	-	-	-
Trinity Newington -	6	6	-	1	-	-	1	-	-
St. Peter Walworth *W*	28	12	-	1	-	-	-	1	-
St. Mary Newington H -	7	14	-	-	-	-	-	-	-
Waterloo-road 1st - -	9	5	-	-	-	-	-	1	-
Waterloo-road 2nd -	14	6	-	-	-	-	3	-	-
Lambeth Church 1st -	15	6	-	-	-	1	1	-	-
Lambeth Church 2nd *W*	36	22	-	-	-	-	1	-	-
Kennington 1st - -	19	6	-	-	1	-	1	-	-
Kennington 2nd - -	16	5	-	1	-	-	-	-	-
Brixton - - - -	24	9	-	-	1	-	1	-	-
Norwood *W* - - -	7	4	-	-	-	-	-	-	-
Clapham - - -	12	8	-	-	-	-	-	-	-
Battersea *Ww* - -	31	13	-	1	-	-	-	-	-
Wandsworth L - -	12	7	-	-	-	-	-	-	-
Putney - - - -	6	2	-	-	-	-	-	-	-
Streatham - - -	5	7	-	-	-	-	-	-	-
Dulwich - - -	1	-	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	11	8	-	-	-	-	4	1	1
Peckham - - -	30	18	-	-	-	-	2	-	-
St. George Camberwell -	24	10	-	-	2	-	1	-	-
Rotherhithe *W* - -	17	12	-	-	2	-	1	-	-
St. Paul Deptford - -	39	17	-	-	2	-	-	2	-
St. Nicholas Deptford -	5	-	-	-	-	-	-	-	-
Greenwich West H -	13	6	-	-	-	-	-	-	-
Greenwich East *WH* -	14	9	-	-	-	-	1	1	-
Eltham - - - -	2	2	-	-	-	-	-	-	-
Lee - - - -	6	5	-	-	-	-	-	-	-
Lewisham Village *W* -	5	3	-	-	-	-	-	-	-
Sydenham - - -	9	6	-	-	-	-	2	-	-
Charlton H - - -	8	3	-	-	-	-	-	-	-
Woolwich Dockyard H	11	5	-	-	-	-	-	1	-
Woolwich Arsenal H -	9	8	-	-	-	-	1	1	-
Plumstead, West - -	7	1	-	-	-	-	-	-	-
Plumstead, East - -	14	4	-	-	-	-	-	1	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the NINETEENTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 14 1859	May 12 1860	May 11 1861	May 10 1862	May 9 1863	May 14 1864	May 13 1865	May 12 1866	May 11 1867	May 9 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 15, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	51°·2	52°·2	43°·4	57°·5	53°·2	51°·7	50°·7	51°·7	63°·4	53°·3	52°·8	Mean Temp. 51·2						
	ALL CAUSES	1070	1111	1240	1249	1459	1306	1167	1628	1235	1340	1280·5	1279†	536	628	205	209	193	37
	SPECIFIED CAUSES	1059	1100	1227	1236	1445	1281	1137	1622	1198	1335	1264·0	1269	534	626	204	209	193	37
	(CLASSES.)																		
I.	ZYMOTIC DISEASES	214	232	258	318	395	321	232	388	242	286	288·6	272	186	220	22	22	8	..
II.	CONSTITUTIONAL ,,	252	231	262	247	327	291	241	342	293	315	280·1	270	56	83	100	66	19	2
II.	LOCAL ,,	443	456	512	458	522	494	478	657	466	545	503·1	535	195	218	65	107	126	19
IV.	DEVELOPMENTAL ,,	119	138	149	156	150	135	148	185	150	140	147·0	134	75	75	6	2	35	16
V.	VIOLENT DEATHS	31	43	46	57	51	40	38	50	47	49	45·2	58	22	30	11	12	5	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES	200	215	236	288	369	296	211	344	219	265	264·3	250	171	205	18	20	7	..
	2. ENTHETIC ,,	5	4	8	11	9	10	8	12	7	8	8·2	12	7	7	3	1	1	..
	3. DIETIC ,,	7	13	14	16	13	14	11	28	14	8	13·8	10	8	8	1	1	..	..
	4. PARASITIC ,,	2	..	..	3	4	1	2	4	2	5	2·3	..	..	..	..	..	..	..
II.	1. DIATHETIC ,,	38	39	39	48	52	56	49	60	44	49	47·4	49	2	4	7	20	16	2
	2. TUBERCULAR ,,	214	192	223	199	275	235	192	282	249	266	232·7	221	54	79	93	46	3	..
II.	1. DISEASES OF NERVOUS SYSTEM	149	134	134	142	143	143	147	174	145	175	148·6	160	80	88	18	17	31	6
	2. ,, OF ORGANS OF CIRCULATION	45	56	52	58	59	66	72	77	55	64	60·4	67	1	10	14	14	27	2
	3. ,, OF RESPIRATORY ORGANS	154	173	241	177	224	197	176	311	182	201	203·6	212	98	101	13	42	49	7
	4. ,, OF DIGESTIVE ORGANS	56	56	53	49	60	57	57	54	52	66	56·0	53	9	11	9	19	13	1
	5. ,, OF URINARY ORGANS	25	22	18	21	27	19	11	28	26	15	21·2	25	3	4	5	9	4	3
	6. ,, OF ORGANS OF GENERATION	6	2	3	2	4	9	2	7	2	9	4·6	7	..	..	1	4	2	..
	7. ,, OF ORGANS OF LOCOMOTION	2	3	3	4	3	3	6	2	4	5	3·5	8	3	3	4	1	..	..
	8. ,, OF INTEGUMENTARY SYSTEM	6	10	8	5	2	..	7	4	..	10	5·2	3	1	1	1	1	..	..
V.	1. DEV. DISEASES OF CHILDREN	35	44	40	47	42	38	33	50	42	42	41·3	38	38	38	..	..	..	..
	2. ,, OF ADULTS	7	7	5	2	6	5	8	5	1	6	5·2	7	..	..	6	1	..	..
	3. ,, OF OLD PEOPLE	37	43	47	50	57	43	46	65	47	36	47·1	44	..	..	..	..	28	16
	4. DISEASES OF NUTRITION	40	44	57	57	45	49	61	65	60	56	53·4	45	37	37	..	1	7	..
V.	1. ACCIDENT OR NEGLIGENCE	25	37	39	49	44	37	30	44	43	39	38·7	44	18	26	6	9	3	..
*	3. HOMICIDE	..	..	1	1	1	2	3	1	1	..	1·0	5	4	4	..	1	..	..
	4. SUICIDE	6	6	6	7	6	1	5	5	3	9	5·4	8	..	..	5	2	1	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	1	·1	1	..	..	..	..	1	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	4	3	2	7	5	5	1	2	..	..	2·9	1	..	..	1	..	..	..
	CAUSES NOT SPECIFIED	7	8	11	6	9	20	29	4	37	5	13·6	9†	2	2	..	..	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

† An average of 7 is added, without distinction of ages. See note *, page 154.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 14 1859	May 12 1860	May 11 1861	May 10 1862	May 9 1863	May 14 1864	May 13 1865	May 12 1866	May 11 1867	May 9 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 15, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	51°2	52°2	43°4	57°5	53°2	51°7	50°7	51°7	63°4	53°3	52°8	Mean Temp. 51°2						
I.	ORDER 1.																		
	1. Small-pox	18	16	3	3	71	10	8	24	30	17	20·0	4	1	2	1	1	..	..
	2. Measles	22	53	27	41	54	50	18	64	20	55	40·4	24	24	24	..	..	..	..
	3. Scarlet Fever (Scarlatina)	47	25	25	39	73	51	22	30	24	28	36·4	56	35	52	4	..	..	..
	4. Diphtheria	13	7	16	18	13	10	5	2	11	5	10·0	6	4	6	..	..	..	..
	5. Quinsy	1	1	4	2	2	..	..	..	2	..	1·2	..	..	..	..	..	..	..
	6. Croup	7	9	10	12	23	17	18	16	13	12	13·7	5	4	5	..	..	..	..
	7. Whooping-cough	30	42	89	47	50	49	57	113	41	69	58·7	87	83	86	..	1	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	34	34	18	89	39	56	49	60	49	38	46·6	18 16 8	.. 4 4	2 9 4	5 3 1	10 2 2	1 2 1	.. .. ..
	9. Erysipelas	7	5	10	4	10	12	4	5	5	6	6·8	8	5	5	2	1	..	..
	10. Puerperal Fever (Metria)	6	2	6	2	4	7	1	2	5	4	3·9	1	..	..	1	..	..	..
	11. Carbuncle	..	2	..	..	1	..	..	1	..	1	·5	1	..	..	..	1	..	..
	12. Influenza	2	1	1	..	..	1	..	2	..	1	·8	..	..	..	..	..	..	..
	13. Dysentery	3	2	3	4	..	1	..	1	1	2	1·7	2	..	..	..	2	..	..
	14. Diarrhœa	4	9	12	16	18	16	22	15	12	19	14·3	10	7	7	..	..	3	..
	15. Simple Cholera	..	..	..	..	1	..	1	2	..	..	·4	..	..	..	..	..	..	..
	16. Ague	..	1	1	1	..	1	..	..	..	1	·5	..	..	..	..	..	..	..
	17. Remittent fever	2	2	1	5	2	2	..	..	..	..	1·4	..	..	..	..	..	..	..
	18. Rheumatism	4	4	10	5	8	13	6	7	6	6	6·9	4	..	3	1	..	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	5	4	7	8	8	9	7	11	6	7	7·2	9	7	7	2	..	..	..
	2. Stricture of Urethra	..	..	1	3	1	1	..	1	..	1	·8	3	..	..	1	1	1	..
	3. Hydrophobia	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	..	..	1	..	1	..	1	..	..	·4	..	..	..	..	..	..	..
	2. Want of Breast-milk	4	8	9	4	7	9	6	15	7	4	7·3	7	7	7	..	..	..	..
	3. Purpura and Scurvy	..	1	..	5	1	1	2	5	2	..	1·7	1	1	1	..	..	..	..
	4. Alcoholism *a* Del. Tremens	1	2	3	4	4	3	2	6	4	2	3·1	2	..	..	1	1	..	..
	4. Alcoholism *b* Intemperance	1	2	2	2	1	..	1	1	1	2	1·3	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	2	..	..	3	3	1	2	4	2	5	2·2	..	..	..	..	..	..	..
	2. Worms, &c.	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	..	1	6	2	2	1	..	1	5	2·0	3	..	..	..	1	2	..
	2. Dropsy	15	11	10	12	11	9	14	23	11	14	13·0	12	1	3	1	3	5	..
	3. Cancer	20	25	26	27	30	38	30	36	26	24	28·2	31	..	..	6	16	7	2
	4. Cancrum Oris (Noma)	..	..	..	..	..	1	1	1	1	1	·5	1	1	1	..	..	..	..
	5. Mortification	1	3	2	3	9	6	3	..	5	5	3·7	2	..	..	..	..	2	..
	ORDER 2.																		
	1. Scrofula	13	10	11	9	18	12	6	13	6	8	10·6	4	1	2	1	..	1	..
	2. Tabes Mesenterica	12	9	11	10	33	18	19	28	17	21	17·8	21	20	21	..	..	..	..
	3. Phthisis	163	141	163	139	186	170	151	208	191	206	171·8	169	9	29	92	46	2	..
	4. Hydrocephalus	26	32	38	41	38	35	16	33	35	31	32·5	27	24	27	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	12	14	14	17	17	15	24	21	9	13	15·6	21	16	18	3	..	..	..
	2. Apoplexy	34	32	31	31	33	40	26	29	34	37	32·7	26	3	4	6	6	7	3
	3. Paralysis	17	28	20	25	23	22	31	44	22	31	26·3	28	1	2	2	7	15	2
	4. Insanity	4	..	3	2	..	1	3	3	2	2	2·0	1	..	..	..	..	1	..
	5. Chorea	..	1	1	1	..	..	..	..	..	1	·4	..	..	..	..	..	..	..
	6. Epilepsy	11	6	8	9	5	8	6	10	10	8	8·1	6	..	1	2	1	2	..
	7. Convulsions	43	30	40	44	43	38	44	52	49	63	44·6	59	57	59	..	..	..	..
	8. *Brain Disease, &c.*	28	23	17	13	22	19	13	15	19	20	18·9	19	3	4	5	3	6	1
	ORDER 2.																		
	1. Pericarditis	2	1	2	2	3	2	2	4	2	4	2·4	2	..	1	..	1	..	..
	2. Aneurism	..	1	3	3	2	2	3	7	4	2	2·7	..	..	..	..	..	..	..
	3. *Heart Disease, &c.*	43	54	47	53	54	62	67	66	49	58	55·3	65	1	9	14	13	27	2
	ORDER 3.																		
	1. Laryngitis	6	5	9	10	10	8	3	2	7	6	6·6	10	7	7	1	1	1	..
	2. Bronchitis	77	88	114	86	99	105	96	188	105	106	106·4	117	45	45	5	21	40	6
	3. Pleurisy	1	5	4	2	4	5	1	..	2	7	3·1	1	..	..	..	1	..	..
	4. Pneumonia	56	62	87	62	81	61	54	101	54	63	68·1	69	43	46	6	13	3	1
	5. Asthma	8	10	12	8	11	7	4	8	2	4	7·4	7	..	..	..	3	4	..
	6. *Lung Disease, &c.*	6	3	15	9	19	11	18	12	12	15	12·0	8	3	3	1	3	1	..
	ORDER 4.																		
	1. Gastritis	2	1	3	3	..	3	2	2	2	2	2·0	1	..	..	..	1	..	..
	2. Enteritis	8	3	4	3	8	6	6	5	2	3	4·8	3	1	2	..	..	..	1
	3. Peritonitis	4	9	3	4	1	4	4	2	3	7	4·1	5	1	1	4	..	..	..
	4. Ascites	2	2	1	..	3	3	5	3	1	4	2·4	2	1	1	..	1	..	..
	5. Ulceration of Intestines	2	2	5	3	1	2	2	1	1	2	2·1	2	..	..	..	1	1	..
	6. Hernia	1	4	..	3	5	2	6	2	1	5	2·9	..	..	..	..	..	..	..
	7. Ileus	4	6	4	1	2	3	4	3	2	5	3·4	..	..	..	..	..	..	..
	8. Intussusception	3	..	1	1	..	2	2	2	2	3	1·6	2	1	1	..	..	1	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

the NINETEENTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 14 1859	May 12 1860	May 11 1861	May 10 1862	May 9 1863	May 14 1864	May 13 1865	May 12 1866	May 11 1867	May 9 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 15, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	51°·2	52°·2	43°·4	57°·5	53°·2	51°·7	50°·7	51°·7	63°·4	53°·3	52°·8	51°·2						
	9. Stricture of Intestines	1	2	1	..	..	..	..	..	1	1	·6	1	..	..	..	1	..	..
	10. Fistula	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
	11. *Stomach Disease, &c.*	4	5	4	7	13	10	6	5	5	6	6·5	8	2	2	1	5	..	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	4	2	6	6	5	2	6	6	5	5	4·7	1	..	..	..	1	..	..
	14. Jaundice	4	2	4	6	4	5	4	3	5	5	4·2	1	..	..	..	1	..	..
	15. *Liver Disease, &c.*	17	17	17	11	18	15	10	20	22	17	16·4	26	3	4	4	7	11	..
	16. *Spleen Disease, &c.*	..	1	..	1	..	..	..	..	..	1	·3	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	1	..	2	1	2	..	2	1	1	1·0	4	1	1	1	2	..	..
	2. Ischuria	..	1	..	1	1	..	..	..	1	..	·4	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	9	9	5	7	6	10	7	18	13	6	9·0	7	1	2	1	1	3	..
	4. Diabetes	1	..	3	2	2	2	..	2	1	1	1·4	3	..	..	1	2	..	..
	5. Calculus (Stone)	..	3	..	..	..	1	1	..	3	..	·8	..	..	..	..	..	..	..
	6. Cystitis	1	..	1	1	1	1	1	..	1	2	·9	1	..	..	..	..	..	1
	7. *Kidney Disease, &c.*	14	8	9	8	16	3	2	6	6	5	7·7	10	1	1	2	4	1	2
	ORDER 6.																		
	1. Ovarian Dropsy	5	1	..	1	..	..	..	1	..	5	1·3	2	..	..	1	1	..	..
	2. *Uterus Disease, &c.*	1	1	3	1	4	9	2	6	2	4	3·3	5	..	..	..	3	2	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	2	3	3	4	2	3	6	2	4	5	3·4	8	3	3	4	1	..	..
	ORDER 8.																		
	1. Phlegmon	4	7	6	2	..	..	..	3	..	4	2·6	2	..	..	1	1	..	..
	2. Ulcer	2	1	2	2	1	..	1	..	..	..	·9	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	..	2	..	1	1	..	6	1	..	6	1·7	1	1	1	..	..	..	..
V.	ORDER 1.																		
	1. Premature Birth	15	21	16	26	20	12	18	16	21	21	18·6	17	17	17	..	..	..	..
	2. Cyanosis	3	..	1	3	3	3	5	1	1	1	2·1	2	2	2	..	..	..	..
	3. Spina Bifida	..	1	1	1	2	1	1	2	..	1	1·0	1	1	1	..	..	..	..
	4. Other Malformations	..	1	..	1	..	..	..	3	1	2	·8	1	1	1	..	..	..	..
	5. Teething	17	21	22	16	17	22	9	28	19	17	18·8	17	17	17	..	..	..	..
	ORDER 2.																		
	1. Paramenia	1	..	..	..	1	..	1	1	..	..	·4	1	..	..	..	1	..	..
	2. Childbirth (*see* Puerperal Fev.)	6	7	5	2	5	5	7	4	1	6	4·8	6	..	..	6	..	..	..
	ORDER 3.																		
	1. Old Age	37	43	47	50	57	43	46	65	47	36	47·1	44	..	..	..	..	28	16
	ORDER 4.																		
	1. Atrophy and Debility	40	44	57	57	45	49	61	65	60	56	53·4	45	37	37	..	1	7	..
V.	ORDER 1. (ACCIDENT OR NEGLIGENCE.)																		
	1. Fractures and Contusions	9	11	12	19	22	19	15	15	23	18	16·3	16	2	6	1	7	2	..
	2. Wounds	..	2	1	2	1	..	..	..	..	..	·6	..	..	..	..	..	..	..
	3. Burns and Scalds	5	4	10	8	8	5	2	6	4	7	5·9	5	3	4	..	1	..	..
	4. Poison	1	2	..	..	1	1	3	2	..	..	1·0	3	2	2	1	..	..	..
	5. Drowning	5	5	4	3	4	7	3	5	10	6	5·2	7	..	2	4	..	1	..
	6. Suffocation	5	8	10	15	5	4	6	14	4	7	7·8	10	9	9	..	1	..	..
	7. Otherwise	..	5	2	2	3	1	1	2	2	1	1·9	3	2	3	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	..	..	1	1	1	2	3	1	1	..	1·0	5	4	4	..	1	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	..	..	1	1	..	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	..	..	..	2	..	..	1	..	2	·6	2	..	..	2	..	..	..
	2. Poison	1	1	1	1	..	..	2	..	1	1	·8	1	..	..	..	1	..	..
	3. Drowning	2	..	2	4	1	1	1	..	1	3	1·5	4	..	..	2	1	1	..
	4. Hanging	2	4	2	1	3	..	2	2	..	1	1·7	1	..	..	1	..	..	..
	5. Otherwise	..	1	1	1	..	..	..	1	..	2	·6	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	1	·1	1	..	..	..	..	1	..
	Sudden Deaths (Cause unascertained)	4	3	2	7	5	5	1	2	..	..	2·9	1	..	..	1	..	..	..
	Causes not specified or ill-defined	7	8	11	6	9	20	29	4	37	5	13·6	9†	2	2	..	..	..	..

næmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when e result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 7 is added, without distinction of ages. See note *, page 154.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 15th May 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
May.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	9	..	29·543	58·0	44·6	13·4	49·7	47·0	82·3	41·0	56·4	52·4	2·7	8·2	0·0	— 1·8	90	N. by E.	E, ESE, & SSE.	0·7	0·0	0·0	179	0·03	4
Monday. .	10	..	29·373	68·3	50·6	17·7	57·2	52·0	131·5	50·0	56·1	53·1	5·2	12·1	0·0	+ 5·9	83	SSE. & SW.	SW.	2·3	0·0	0·3	262	0·11	5
Tuesday .	11	New	29·657	60·7	48·0	12·7	51·5	48·0	103·5	40·0	55·9	53·6	3·5	10·1	0·0	+ 0·3	88	SW. & N.	N, E, & SE.	0·2	0·0	0·0	260	0·21	3
Wednesday	12	..	29·928	62·1	43·0	19·1	51·4	43·0	128·5	39·2	55·4	53·4	8·4	16·9	0·0	+ 0·2	73	NNE.&NE.	NNE.&E.	0·5	0·0	0·0	186	0·00	4
Thursday.	13	..	30·063	61·8	37·3	24·5	49·2	40·2	125·7	27·2	54·9	52·9	9·0	17·6	0·0	— 2·2	71	NNE.&NE.	ESE. & ENE.	2·7	0·0	0·4	280	0·00	1
Friday . .	14	..	29·932	57·8	42·1	15·7	48·9	40·4	111·2	37·6	54·4	52·4	8·5	13·3	6·1	— 2·8	73	ENE.& E.	ENE.	30·0	0·1	2·5	497	0·00	6
Saturday.	15	Greatest Dec. N.	29·702	60·0	44·7	15·3	50·8	43·2	121·7	43·7	54·9	52·4	7·6	13·3	4·2	— 1·2	75	ENE.	ENE.	30·0	0·0	1·7	442	0·00	5
Means . .		..	29·743	61·2	44·3	16·9	51·2	44·8	114·9	39·8	55·4	52·9	6·4	13·1	1·5	— 0·2	79	ENE.& NNE.		..	..	..	Sum 2106	Sum 0·35	4·0
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. May.		Electricity.	Sky and Atmosphere.
Sunday .	9	The insulating lamp was not burning.	Overcast, with slight exceptions, throughout. Rain fell at night.
Monday .	10		In the early morning hours rain fell, and the sky remained overcast till noon; fine, and partially cloudy afterwards.
Tuesday .	11		Overcast during the morning; fine, but cloudy in the afternoon; again overcast at night, and rain fell heavily. Lightning seen about 10h. P.M.
Wednesday	12	No electricity was shown.	A very fine day. Light clouds prevailed.
Thursday .	13		A very fine day; a little light cloud was generally prevalent. At night a brilliant aurora was seen, and the magnetic instruments were greatly disturbed. The aurora was also observed at Bristol, Liverpool, Manchester, and Bradford.
Friday .	14	The insulating lamp was not burning.	Fine; partially cloudy. A gale prevailed from E. and E.N.E.
Saturday .	15		Fine; light clouds prevailed. The gale continued till the afternoon.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·35 in. at the beginning of the week to 29·57 in. by 10h. A.M. on the 9th; remained at this reading till after noon; then decreased to 29·35 in. by 9h. A.M. on the 10th; increased to 30·08 in. by 9h. A.M. on the 13th; and was 29·68 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 20. 1869. Vol. XXX.] Week ending Saturday, May 22. [Price 1d.

General Register Office, Somerset House,
24th May 1869.

In the week that ended on Saturday, 22d May, 3953 births, and 2880 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 23 per 1000 persons living.

The annual rate of mortality last week was 21 per 1000 in London, 27 in Edinburgh, and 24 in Dublin; 20 in Bristol, 17 in Birmingham, 27 in Liverpool, 24 in Manchester, 22 in Salford, 26 in Sheffield, 25 in Bradford, 20 in Leeds, 22 in Hull, 18 in Newcastle-upon-Tyne, and 35 in Glasgow. The rate in Vienna was 38 per 1000 during the week ending the 15th inst., and in Berlin 31 per 1000 during the seven days ending the 20th instant.

In London the births of 950 boys and 961 girls, in all 1911 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2141.

The deaths registered in London during the week were 1281. It was the twentieth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1351. The deaths in the present return are less by 70 than the estimated amount.

The deaths from zymotic diseases were 260, the corrected average number being 312. Three deaths from small-pox, 22 from measles, 45 from scarlet fever, 5 from diphtheria, 97 from whooping-cough, 7 from typhus fever, 12 from enteric fever, 4 from simple continued fever, and 15 from diarrhœa were registered.

The son of a carman, aged 2 years, died on 15th May at 7 Angel-place, Broadwall, Southwark, from "diarrhœa, induced by a defective state of drainage of the "house." (*Inquest.*)

Three deaths from scarlet fever were recorded in the West districts, 8 in the North, 7 in the Central, 15 in the East, and 12 in the South districts.

Whooping-cough was most fatal in the North, East, and South districts.

A comparison of the deaths from fever with those recorded in the preceding week shows a decrease of 19 on the total number; a decrease of 11 deaths from typhus fever, a decrease of 4 deaths from enteric fever, and a decrease of 4 deaths from simple continued fever.

One hundred and ninety-four deaths occurred from phthisis, 101 from bronchitis, and 78 from pneumonia. The corrected average number of deaths from phthisis is 188, from bronchitis 110, and from pneumonia 70.

Seventy-five persons died from diseases of the heart, and 150 from diseases of the brain and nervous system.

The deaths of 4 infants and one adult from syphilis, of 2 persons from burns or scalds, of 2 persons from drowning, and of 6 persons who committed suicide were registered.

The widow of a music master, aged 62 years, died on 18th May in the West London Union, from "diseased lungs and heart, caused by want of the necessaries "of life." *Post mort.* (*Inquest.*)

The widow of a stonemason died on 18th May in St. Giles' Workhouse, at the age (as stated) of 102 years. The registrar remarks:—"There is no doubt from "the medical evidence, and that of the friends of the deceased, that her age is "accurately given."

The following deaths of 3 persons killed by horses or vehicles in the streets were recorded:—

A farrier, aged 44 years, "thrown from a cart." Died on 14th May in St. George's Hospital. (*Inquest.*)

The wife of a labourer, aged 60 years, "shock and fractured leg, run over." Died on 17th May in London Hospital. (*Inquest.*)

The son of a carman, aged 5 years, "run over by a van." Died on 14th May in the Lower-road, Rotherhithe. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·530 in. The barometrical reading increased from 29·29 in. on Wednesday, 19th May, to 29·93 in. by the end of the week. The mean temperature of the air in the week was 50·0°, which is 3·2° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 66·5° on Monday, 17th May. The lowest night temperature was 37·6° on Friday, 21st May. The entire range of temperature in the week was, therefore, 28·9°. The mean of the highest temperatures of the water of the Thames was 53·8°; that of the lowest was 52·8°. The difference between the mean dew-point temperature and air temperature was 3·9°. The mean degree of humidity of the air was 86, complete saturation being represented by 100. Rain fell to the amount of 0·68 in. The general direction of the wind was variable. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 201,666 cubic metres, and at Barking 164,188 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Twentieth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1669	1702	1935	1870	1875	1814	2192	1919	2263	2223	1946·2	1911
Males . .	859	867	1013	938	919	918	1083	970	1165	1104	983·6	950
Females .	810	835	922	932	956	896	1109	949	1098	1119	962·6	961
Total Deaths	1057	1090	1219	1125	1350	1421	1168	1467	1119	1268	1228·4	1281
Males . .	551	577	624	579	703	761	622	778	595	691	648·1	677
Females .	506	513	595	546	647	660	546	689	524	577	580·3	604

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Feb. 27.	Mar. 6.	Mar. 13.	Mar. 20.	Mar. 27.	Apr. 3.	Apr. 10.	Apr. 17.	Apr. 24.	May 1.	May 8.	May 15.	May 22.
Deaths - - - -	1419	1487	1519	1549	1590	1670	1550	1595	1377	1288	1421	1279	1281
Deaths under 5 years of age -	535	592	615	582	603	678	601	662	614	563	616	536	528
Deaths under 20 years of age	647	682	721	698	703	786	698	772	696	656	721	631	634
Deaths 20—40 - - -	208	217	199	204	228	211	215	235	199	183	209	208	184
Deaths 40—60 - - - -	253	279	254	268	289	282	260	254	211	211	236	210	231
Deaths at 60 years of age and upwards - - -	311	309	345	379	370	391	377	334	271	238	255	230	232
Deaths from Small-pox -	2	6	7	3	2	4	4	2	4	8	3	4	3
„ „ Measles - -	12	25	27	20	30	31	34	28	18	20	21	24	22
„ „ Scarlet Fever -	43	56	39	33	43	44	39	41	38	42	53	56	45
„ „ Diphtheria -	7	4	6	5	4	6	5	3	6	4	7	6	5
„ „ Whooping-cough	50	65	81	67	71	73	85	103	97	81	91	87	97
„ „ Typhus fever -	26	15	19	20	14	20	17	24	24	19	9	18	7
„ „ Enteric fever -	18	26	27	26	21	21	19	14	19	21	21	16	12
„ „ SimpleContdfever	20	11	17	16	22	16	12	17	10	7	13	8	4
„ „ Diarrhœa - -	9	18	19	13	16	19	12	21	21	10	19	10	15
„ „ Phthisis - -	184	161	176	187	197	179	195	192	184	156	216	169	194
„ „ Bronchitis - -	185	196	230	244	262	269	249	191	147	111	131	117	101
„ „ Pneumonia -	78	98	90	99	103	102	104	95	86	89	85	69	78
„ „ Heart Disease -	72	60	74	74	80	82	65	67	50	59	54	65	75
Mean Temperature of the Air	40°·9	39°·1	35°·6	36°·9	38°·7	39°·0	47°·1	55°·2	50°·3	51°·9	50°·5	51°·2	50°·0
Mean Temperature of the Water of the Thames -	43·3	42·2	40·8	38·8	41·0	40·7	43·8	52·7	52·9	54·7	54·4	54·1	53·3
Humidity of the Air - -	82	76	82	84	84	83	88	81	83	74	88	79	86
Rain-fall in inches - -	0·70	0·47	0·04	0·57	0·27	0·24	0·17	0·46	0·25	0·00	1·28	0·35	0·68

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 22d day of May 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 22d May.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 22d May.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Temperature of the Air. (Fahrenheit.) Lowest during the Week.	Temperature of the Air. (Fahrenheit.) Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	Rain Fall. In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Temperature of the Air. (Centigrade.) Lowest during the Week.	Temperature of the Air. (Centigrade.) Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**3953**	**3244**	**2880**	**66·5**	**34·6**	**47·9**	**0·86**	**87**	**19·17**	**1·45**	**8·83**	**218**
London (Metropolis)	3,170,754	40·7	2070	1911	1462	1281	66·5	37·6	50·0	0·68	69	19·17	3·12	10·00	173
Bristol (City)	169,423	36·1	109	93	76	66 *	63·5	37·3	50·1	1·47	148	17·50	2·95	10·06	373
Birmingham (Borough)	360,846	46·1	283	227	175	120	58·3	40·8	48·1	0·72	73	14·61	4·89	8·95	183
Liverpool (Borough)	509,052	99·7	345	348	295	266	59·8	43·1	48·9	1·76	178	15·45	6·17	9·39	447
Manchester (City)	370,892	82·7	277	172	210	170 *	63·7	41·0	49·1	0·78	79	17·61	5·00	9·50	198
Salford (Borough)	119,350	23·1	89	54	60	50	61·4	39·6	47·5	0·72	73	16·33	4·23	8·61	183
Sheffield (Borough)	239,752	10·5	196	129	126	119	59·0	39·0	47·5	1·16	117	15·00	3·89	8·61	295
Bradford (Borough)	138,522	21·0	105	95	71	67	55·5	40·1	46·7	1·00	101	13·06	4·50	8·17	254
Leeds (Borough)	253,110	11·7	189	147	129	97	59·0	41·0	47·5	0·80	81	15·00	5·00	8·61	203
Hull (Borough)	126,682	35·6	83	70	59	54	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	79	69	46	54·0	35·0	44·3	0·73	74	12·22	1·67	6·84	186
Edinburgh (City)	178,002	40·2	112	119	86	91	58·7	38·0	47·6	0·20	20	14·83	3·33	8·67	51
Glasgow (City)	458,937	90·6	374	367	268	307	59·8	36·5	47·9	0·15	15	15·45	2·50	8·83	38
Dublin (City and some suburbs)	320,762	32·9	219	142	158	146	61·0	34·6	47·5	0·97	98	16·11	1·45	8·61	246
				Week ending 15th May 1869.		Week ending 15th May 1869.	Week ending 15th May 1869.					Week ending 15th May 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	410	..	..	65·5	..	..	..	..	18·62	..
				Week ending 20th May 1869.		Week ending 20th May 1869.	Week ending 20th May 1869.					Week ending 20th May 1869.			
Berlin (City)	(1867) 702,437	..	..	..	..	..	..	..	57·4	..	..	..	..	14·12	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 22d May 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	1911	1281	3	22	45	5	97	23	15
WEST DISTRICTS -	299	192	-	1	3	1	11	5	1
NORTH DISTRICTS -	421	262	1	1	8	3	23	5	3
CENTRAL DISTRICTS -	194	186	-	7	7	-	14	4	2
EAST DISTRICTS -	402	288	-	3	15	1	23	6	5
SOUTH DISTRICTS -	595	353	2	10	12	-	26	3	4
WEST DISTRICTS.									
St. Mary Paddington *WH*	34	15	-	-	2	-	1	-	-
St. John Paddington H	16	18	-	-	-	1	-	-	-
Kensington Town *W* -	54	25	-	1	-	-	1	1	1
Brompton H - -	7	7	-	-	-	-	-	-	-
St. Peter Hammersmith	5	5	-	-	-	-	1	-	-
St. Paul Hammersmith	20	11	-	-	-	-	2	1	-
Fulham *W* - - -	16	10	-	-	-	-	-	-	-
Chelsea South H - -	13	7	-	-	-	-	-	-	-
Chelsea North-west H *Ww*	13	10	-	-	-	-	-	-	-
Chelsea North-east -	13	4	-	-	-	-	-	-	-
Hanover Square - -	9	3	-	-	-	-	-	-	-
May Fair *W* - -	5	5	-	-	1	-	-	-	-
Belgrave H - - -	33	17	-	-	-	-	-	1	-
St. John Westminster -	26	13	-	-	-	-	1	-	-
St. Margaret West. *WH*	13	21	-	-	-	-	1	2	-
St. James's Square -	3	2	-	-	-	-	-	-	-
Golden Square *W* -	8	7	-	-	-	-	2	-	-
Berwick-street - -	5	6	-	-	-	-	1	-	-
St. Anne Soho - -	6	6	-	-	-	-	1	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	11	20	-	-	1	-	-	-	1
Cavendish Square - -	4	1	-	-	-	-	-	-	-
Rectory Marylebone *W*	16	15	-	-	-	-	2	-	-
St. Mary Marylebone -	22	10	-	-	-	-	-	-	-
Christchurch Marylebone	21	14	-	-	-	-	-	1	-
St. John Marylebone -	15	12	-	-	-	-	1	-	-
Hampstead *W* - -	18	7	-	-	-	1	-	-	-
Regent's Park Pancras -	13	6	-	-	-	-	-	-	-
Tottenham-court *wH* -	20	10	-	-	-	-	2	-	-
Gray's Inn Lane H -	16	10	-	-	-	-	-	-	-
Somers Town - -	26	16	-	-	2	-	2	-	-
Camden Town *W* -	10	15	-	-	1	-	1	-	-
Kentish Town - -	45	14	-	-	1	-	2	1	1
Islington West* *WHH*	63	43	1	1	-	2	5	1	1
Islington East *Ww* -	69	31	-	-	-	-	5	-	-
Stoke Newington - -	2	1	-	-	1	-	-	-	-
Stamford Hill - -	-	-	-	-	-	-	-	-	-
West Hackney - -	15	10	-	-	1	-	1	-	-
Hackney *WHw* - -	22	20	-	-	1	-	2	1	-
South Hackney L -	13	7	-	-	-	-	-	1	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	16	4	-	-	-	-	1	-	-
St. Giles South *W* -	18	17	-	1	-	-	1	-	-
St. Giles North - -	7	6	-	1	-	-	-	-	-
Long Acre - - -	7	2	-	1	-	-	-	-	-
Charing Cross *WH* -	2	8	-	-	-	-	1	-	-
St. Mary-le-Strand -	4	3	-	-	-	-	-	-	-
St. Clement Danes H -	4	14	-	1	-	-	-	-	-
St. George-the-Martyr H	7	17	-	1	2	-	1	-	-
St. Andrew, East Holb. *W*	3	6	-	-	-	-	1	-	-
Saffron Hill - - -	7	1	-	-	1	-	-	-	-
St. James Clerkenwell *W*	6	12	-	-	1	-	-	1	-
Amwell Clerkenwell -	10	4	-	-	-	-	-	-	-
Pentonville - - -	12	4	-	-	-	-	2	-	-
Goswell-street - -	9	6	-	-	-	-	-	-	-
Old-street - - -	10	5	-	-	-	-	1	-	-
City-road HL - -	29	16	-	-	-	-	1	-	1
Whitecross-street - -	7	11	-	1	-	-	2	-	1
Finsbury - - -	4	2	-	-	-	-	1	-	-
St. Botolph East London	8	6	-	-	-	-	1	-	-
Cripplegate - - -	7	6	-	1	1	-	-	1	-
West London North *WH*	3	14	-	-	1	-	-	1	-
West London South -	5	9	-	-	-	-	1	-	-
London City South-west	-	1	-	-	-	-	-	-	-
London City North-west	2	2	-	-	-	-	-	-	-
London City South -	2	2	-	-	1	-	-	-	-
London City South-east	3	4	-	-	-	-	-	1	-
London City North-east	2	4	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	8	9	-	-	1	-	2	-	
St. Leonard Shrdtch. L†	14	8	-	-	-	-	-	-	
Hoxton New Town *w* -	26	9	-	-	-	1	-	-	
Hoxton Old Town - -	13	8	-	-	-	-	-	-	
Haggerstone West *W* -	22	11	-	-	2	-	-	1	
Haggerstone East - -	12	10	-	-	-	-	1	-	
Hackney-road - -	24	10	-	-	2	-	-	1	
Green, Bthnl. Grn. *WHL*†	28	15	-	-	1	-	2	-	
Church, Bethnal Green -	13	13	-	-	1	-	3	-	
Town, Bethnal Green -	8	8	-	-	-	-	1	1	
Artillery Whitechapel -	5	1	-	-	-	-	-	-	
Spitalfields - - -	5	10	-	1	-	-	1	-	
Mile End New Town *W*	13	17	-	-	1	-	-	-	
Whitechapel North -	4	6	-	-	-	-	1	1	
Whitechapel Church H	8	13	-	-	-	-	-	-	
Goodman's Fields - -	6	3	-	-	-	-	-	-	
Aldgate - - - -	3	1	-	-	-	-	-	-	
St. Mary St. Geo. East -	11	8	-	-	-	-	-	-	
St. Paul St. Geo. East -	13	10	-	1	-	-	-	-	
St. John St. Geo. East *W*	6	3	-	-	-	-	-	-	
Shadwell *W* - - -	7	6	-	-	-	-	-	-	
Ratcliff *W* - - -	14	10	-	-	1	-	1	-	
Limehouse *W* - -	15	11	-	-	2	-	1	2	
Mile End Old Town, West	21	20	-	1	1	-	1	-	
Mile End Old T., East *Ww*	36	16	-	-	-	-	2	-	
Bow *ww*L† - - -	25	29	-	-	1	-	2	-	
Poplar *W* - - -	41	23	-	-	2	-	5	-	
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	5	3	-	-	-	-	-	1	
St. Saviour Southwark H	5	5	-	-	-	-	1	-	
St. Olave Southwark H	-	9	-	-	-	-	-	-	
St. John Horsleydown *W*	8	7	-	1	-	-	1	-	
St. James Bermondsey -	34	19	-	1	1	-	2	-	
St. Mary Magdalen *W* -	11	10	-	-	1	-	2	-	
Leather Market - -	12	8	-	-	1	-	1	-	
Kent-road - -	16	16	1	-	2	-	-	-	
Borough-road *W* - -	10	10	-	-	1	-	-	-	
London-road L - -	7	9	-	1	-	-	1	-	
Trinity Newington -	16	10	-	-	-	-	3	-	
St. Peter Walworth *W*	31	23	1	2	1	-	-	-	
St. Mary Newington H	10	8	-	-	-	-	1	-	
Waterloo-road 1st -	8	4	-	-	-	-	-	-	
Waterloo-road 2nd -	17	4	-	-	-	-	1	-	
Lambeth Church 1st -	18	6	-	-	-	-	2	-	
Lambeth Church 2nd *W*	24	18	-	2	-	-	1	1	
Kennington 1st - -	15	11	-	1	-	-	2	-	
Kennington 2nd - -	15	5	-	1	-	-	1	-	
Brixton - - - -	26	14	-	-	1	-	-	-	
Norwood *W* - - -	4	2	-	-	-	-	1	-	
Clapham - - -	10	13	-	-	-	-	-	-	
Battersea *Ww* - -	36	25	-	-	-	-	-	-	
Wandsworth L - -	12	6	-	-	-	-	-	-	
Putney - - - -	7	1	-	-	-	-	-	-	
Streatham - - -	12	2	-	-	-	-	-	-	
Dulwich - - -	1	-	-	-	-	-	-	-	
Camberwell *WL*†*L*† -	14	12	-	-	-	-	-	-	
Peckham - - -	29	9	-	-	-	-	-	-	
St. George Camberwell -	22	11	-	-	-	-	2	-	
Rotherhithe *W* - -	14	13	-	-	1	-	1	-	
St. Paul Deptford - -	48	13	-	-	2	-	-	-	
St. Nicholas Deptford -	4	-	-	-	-	-	-	-	
Greenwich West H -	9	8	-	-	-	-	-	-	
Greenwich East *WH* -	8	6	-	-	-	-	-	1	
Eltham - - - -	1	-	-	-	-	-	-	-	
Lee - - - -	5	3	-	-	-	-	-	-	
Lewisham Village *W* -	7	9	-	1	-	-	1	-	
Sydenham - - -	13	8	-	-	1	-	-	-	
Charlton H - - -	5	2	-	-	-	-	-	-	
Woolwich Dockyard H	10	2	-	-	-	-	-	-	
Woolwich Arsenal H -	14	6	-	-	-	-	2	-	
Plumstead, West - -	4	3	-	-	-	-	-	-	
Plumstead, East - -	18	-	-	-	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - " " Tottenham-court sub-district.
West London - - " " Islington East.
East London - - " " Hackney sub-district.
St. Luke Middlesex - " " Hoxton New Town sub-district.
London City - - " " Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - " " Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the TWENTIETH WEEK of each of the following Years.

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 21 1859	May 19 1860	May 18 1861	May 17 1862	May 16 1863	May 21 1864	May 20 1865	May 19 1866	May 18 1867	May 16 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 22, 1869. ALL AGES.	Deaths of Persons of the Ages Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	52°·6	54°·4	51°·9	51°·9	52°·8	61°·8	53°·7	48°·1	46°·8	57°·5	53°·2	Mean Temp. 50°·0						
	ALL CAUSES . . .	1057	1090	1219	1125	1350	1421	1168	1467	1119	1268	1228·4	1281	528	634	184	231	202	30
	SPECIFIED CAUSES .	1053	1079	1199	1103	1332	1406	1158	1450	1103	1261	1214·4	1279	527	633	184	230	202	30
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	242	202	245	292	397	371	258	362	197	273	283·9	260	195	223	16	11	7	3
II.	CONSTITUTIONAL ,, .	245	277	241	248	282	292	290	298	264	316	275·3	300	50	91	100	76	33	..
II.	LOCAL ,, .	412	426	519	396	481	515	452	579	442	504	472·6	544	186	219	56	131	129	9
IV.	DEVELOPMENTAL ,, .	107	128	158	123	131	174	122	169	158	125	139·5	142	89	90	4	2	28	18
V.	VIOLENT DEATHS . .	47	46	36	44	41	54	36	42	42	43	43·1	33	7	10	8	10	5	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	225	188	225	270	374	340	226	335	179	245	260·7	240	180	208	13	10	6	3
	2. ENTHETIC ,, . .	5	4	6	4	5	12	10	7	4	11	6·8	7	4	4	2	1	..	..
	3. DIETIC ,, . .	10	7	11	12	15	16	18	15	12	14	13·0	7	5	5	1	..	1	..
	4. PARASITIC ,, . .	2	3	3	6	3	3	4	5	2	3	3·4	6	6	6	..	..	..	..
II.	1. DIATHETIC ,, . .	51	44	36	46	43	58	49	51	49	50	47·7	58	4	5	7	30	16	..
	2. TUBERCULAR ,, . .	194	233	205	202	239	234	241	247	215	266	227·6	242	46	86	93	46	17	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	122	122	154	130	149	157	145	147	138	148	141·2	150	66	73	13	25	37	2
	2. ,, OF ORGANS OF CIRCULATION .	57	48	62	34	59	69	49	60	56	63	55·7	81	1	7	12	37	23	2
	3. ,, OF RESPIRATORY ORGANS . .	153	190	230	159	196	203	165	284	148	191	191·9	204	107	117	15	25	44	3
	4. ,, OF DIGESTIVE ORGANS . . .	55	43	44	40	48	57	56	50	63	63	51·9	60	6	11	11	25	12	1
	5. ,, OF URINARY ORGANS . . .	15	10	14	16	16	11	21	24	25	23	17·5	29	4	5	3	13	7	1
	6. ,, OF ORGANS OF GENERATION .	4	4	5	6	6	6	2	5	5	5	4·8	7	..	..	2	4	1	..
	7. ,, OF ORGANS OF LOCOMOTION .	5	3	7	7	6	4	5	2	5	6	5·0	7	1	4	..	2	1	..
	8. ,, OF INTEGUMENTARY SYSTEM .	1	6	3	4	1	8	9	7	2	5	4·6	6	1	2	..	..	4	..
IV.	1. DEV. DISEASES OF CHILDREN	30	39	47	32	36	48	36	48	43	36	39·5	45	45	45	..	..	..	..
	2. ,, OF ADULTS .	3	6	5	10	5	5	2	4	8	5	5·3	5	..	..	4	1	..	..
	3. ,, OF OLD PEOPLE	33	45	53	28	52	65	36	51	40	37	44·0	38	..	..	..	..	20	18
	4. DISEASES OF NUTRITION .	41	38	53	53	38	56	48	66	67	47	50·7	54	44	45	..	1	8	..
V.	*1 ACCIDENT OR NEGLIGENCE .	39	36	29	36	38	44	28	38	28	32	34·8	24	5	8	4	7	5	..
	3. HOMICIDE	4	2	4	1	..	4	2	1	5	2	2·5	2	2	2	..	..	..	..
	4. SUICIDE	4	8	3	6	3	6	5	3	8	8	5·4	6	..	..	3	3	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	1	..	..	1	..	1	1	·4	1	..	..	1	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	2	2	2	1	4	1	..	5	..	..	1·7	1	..	..	..	1	..	..
	CAUSES NOT SPECIFIED . .	2	9	18	21	14	14	10	12	16	7	12·3	1	1	1	..	..	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 21 1859	May 19 1860	May 18 1861	May 17 1862	May 16 1863	May 21 1864	May 20 1865	May 19 1866	May 18 1867	May 16 1868	Averages of Temperature and of Deaths in 10 Weeks,	In the Week ending Saturday, May 22, 1869. ALL AGES.	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	52°·6	54°·4	51°·9	51°·9	52°·8	61°·8	53°·7	48°·1	46°·8	57°·5	53°·2	Mean Temp. 50°·0						
I	ORDER 1.																		
	1. Small-pox	23	14	6	4	61	4	12	23	38	10	19·5	3	2	2	..	1	..	..
	2. Measles	31	41	18	30	55	87	12	59	15	56	40·4	22	20	22	..	..	..	..
	3. Scarlet Fever (Scarlatina)	39	30	21	58	89	52	24	30	12	31	38·6	45	36	44	1	..	..	..
	4. Diphtheria	16	11	16	10	16	8	7	3	5	9	10·1	5	5	5	..	..	..	..
	5. Quinsy	4	1	1	..	1	1	..	2	1	..	1·1	..	..	..	..	..	..	..
	6. Croup	6	5	16	19	25	19	17	21	5	7	14·0	8	7	8	..	..	..	..
	7. Whooping-cough	34	34	96	39	42	59	60	99	38	58	55·9	97	92	97	..	..	..	..
	8. Typhus	28	24	19	84	45	65	43	52	37	38	43·5	7	..	2	..	3	2	..
	— Enteric Fever												12	3	7	2	1	..	2
	— Simple continued Fever												4	1	2	1	..	1	..
	9. Erysipelas	8	3	8	1	9	3	5	7	5	4	5·3	4	1	1	1	1	1	..
	10. Puerperal Fever (Metria)	4	1	3	3	2	9	2	1	1	..	2·6	2	..	..	2	..	..	..
	11. Carbuncle	2	2	..	1	4	2	2	2	1	1	1·7	1	..	..	..	..	1	..
	12. Influenza	..	3	..	1	..	3	1	1	..	2	1·1	..	..	..	..	..	..	..
	13. Dysentery	4	3	2	1	1	1	1	5	1	1	2·0	3	1	1	1	1	..	..
	14. Diarrhœa	13	11	7	9	16	14	25	14	17	12	13·8	15	11	11	..	2	1	1
	15. Simple Cholera	..	..	2	1	..	..	1	1	..	4	·9	..	..	..	..	..	..	..
	16. Ague	..	..	1	1	..	..	2	..	..	..	·4	2	..	1	1	..	..	..
	17. Remittent Fever	2	3	2	..	1	5	..	1	..	..	1·4	..	..	..	..	..	..	..
	18. Rheumatism	11	2	7	8	7	8	12	14	3	12	8·4	10	1	5	4	1	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	5	4	5	3	3	9	8	4	3	10	5·4	5	4	4	1	..	..	..
	2. Stricture of Urethra	..	..	1	1	2	3	2	3	1	1	1·4	2	..	..	1	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	1	..	..	2	..	..	..	1	·4	1	..	..	..	..	1	..
	2. Want of Breast-milk	8	4	2	6	5	7	7	6	7	4	5·6	4	4	4	..	..	..	..
	3. Purpura and Scurvy	1	..	3	1	6	1	4	5	2	5	2·8	1	1	1	..	..	..	..
	4. Alcoholism *a* Del. Tremens	..	2	4	4	2	3	6	4	3	3	3·1	1	..	..	1	..	..	..
	4. Alcoholism *b* Intemperance	1	1	1	1	2	3	1	..	..	1	1·1	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	2	3	2	6	3	2	3	5	2	3	3·1	6	6	6	..	..	..	..
	2. Worms, &c.	..	..	1	..	..	1	1	..	..	..	·3	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	..	1	1	2	5	3	1	1	1	2	1·7	2	..	..	..	1	1	..
	2. Dropsy	18	17	18	11	12	13	13	15	17	6	14·0	16	3	4	..	4	8	..
	3. Cancer	29	23	14	30	23	35	33	33	26	38	28·4	39	..	..	7	25	7	..
	4. Cancrum Oris (Noma)	..	1	2	2	..	1	..	..	3	1	1·0	..	..	..	..	..	..	..
	5. Mortification	4	2	1	1	3	6	2	2	2	3	2·6	1	1	1	..	..	..	..
	ORDER 2.																		
	1. Scrofula	7	13	9	12	8	14	2	12	8	3	8·8	8	3	6	2	..	..	..
	2. Tabes Mesenterica	12	17	13	17	15	19	20	16	15	30	17·4	18	14	17	1	..	..	..
	3. Phthisis	142	174	159	139	176	165	198	186	174	199	171·2	194	12	41	90	46	17	..
	4. Hydrocephalus	33	29	24	34	40	36	21	33	18	34	30·2	22	17	22	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	15	10	18	6	15	8	16	16	12	19	13·5	18	10	15	2	..	1	..
	2. Apoplexy	28	31	43	23	29	39	31	28	32	28	31·2	31	3	4	3	10	13	1
	3. Paralysis	22	28	30	32	26	31	25	25	19	28	26·6	32	..	..	4	8	19	1
	4. Insanity	2	1	1	2	2	4	1	4	2	1	2·0	3	..	..	..	1	2	..
	5. Chorea	..	..	..	1	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	6. Epilepsy	6	6	4	8	13	8	5	10	3	6	6·9	4	..	..	1	3	..	..
	7. Convulsions	36	35	40	40	42	46	51	46	48	52	43·6	52	50	51	..	..	1	..
	8. *Brain Disease, &c.*	13	11	18	18	22	21	16	18	22	14	17·3	10	3	3	3	3	1	..
	ORDER 2.																		
	1. Pericarditis	5	2	4	1	..	3	1	2	1	2	2·1	2	..	1	..	1	..	..
	2. Aneurism	5	..	4	..	2	2	..	..	2	2	1·7	4	..	..	3	1	..	..
	3. *Heart Disease, &c.*	47	46	54	33	57	64	48	58	53	59	51·9	75	1	6	9	35	23	2
	ORDER 3.																		
	1. Laryngitis	6	1	6	10	6	5	3	9	5	6	5·7	8	5	5	1	2	..	..
	2. Bronchitis	83	97	116	82	85	111	94	147	85	101	100·1	101	43	47	3	14	36	1
	3. Pleurisy	5	6	2	1	5	5	4	3	4	4	3·9	2	1	1	1	..	..	..
	4. Pneumonia	42	75	80	50	77	62	48	102	45	63	64·4	78	51	57	7	6	7	1
	5. Asthma	9	5	7	4	10	4	6	5	4	4	5·8	4	..	..	2	2	..	..
	6. *Lung Disease, &c.*	8	6	19	12	13	16	10	18	5	13	12·0	11	7	7	1	1	1	1
	ORDER 4.																		
	1. Gastritis	2	2	..	2	4	3	..	..	1	2	1·6	..	..	..	..	..	..	..
	2. Enteritis	5	4	8	4	8	7	3	4	7	2	5·2	8	3	4	1	1	2	..
	3. Peritonitis	4	6	4	2	6	2	5	2	6	10	4·7	3	..	..	2	..	1	..
	4. Ascites	3	2	3	2	4	2	4	3	4	1	2·8	1	..	..	..	1	..	..
	5. Ulceration of Intestines	2	3	4	3	2	4	1	1	2	2	2·4	5	..	2	1	1	1	..
	6. Hernia	1	5	5	..	1	3	1	2	2	4	2·4	3	..	..	..	2	1	..
	7. Ileus	2	1	4	..	1	2	6	2	4	2	2·4	1	..	..	..	1	..	..
	8. Intussusception	2	1	1	1	1	3	2	1	1	1	1·4	2	..	1	..	1	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

the TWENTIETH WEEK of each of the following Years—*continued.*

ass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 21 1859	May 19 1860	May 18 1861	May 17 1862	May 16 1863	May 21 1864	May 20 1865	May 19 1866	May 18 1867	May 16 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 22, 1869. ALL AGES. Mean Temp.	Deaths of Persons of the Ages Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	52°·6	54°·4	51°·9	51°·9	52°·8	61°·8	53°·7	48°·1	46°·8	57°·5	53°·2	50°·0						
	9. Stricture of Intestines	..	..	..	4	1	..	..	..	..	2	·7	3	..	..	..	2	1	..
	10. Fistula	..	..	..	..	..	..	1	..	1	1	·3	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	7	8	5	9	..	8	8	7	5	8	6·5	4	..	1	1	1	..	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	3	3	..	3	4	3	1	6	4	3	3·0	3	..	..	..	3	..	..
	14. Jaundice	3	2	2	3	4	1	7	3	4	4	3·3	5	3	3	..	..	2	..
	15. *Liver Disease, &c.*	19	6	7	6	11	18	17	18	21	20	14·3	22	..	..	6	12	4	..
	16. *Spleen Disease, &c.*	2	..	1	1	1	1	..	1	1	1	·9	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	1	1	..	..	1	1	..	4	1	..	·9	4	3	3	..	..	1	..
	2. Ischuria	2	..	1	..	1	..	1	..	..	..	·5	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	5	2	6	6	7	7	6	11	10	12	7·2	13	..	1	..	7	5	..
	4. Diabetes	..	1	..	1	2	..	2	3	1	3	1·3	4	..	..	2	2	..	..
	5. Calculus (Stone)	..	..	..	2	1	..	1	..	1	1	·6	2	1	1	..	1	..	..
	6. Cystitis	2	1	..	1	..	..	..	..	1	1	·6	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	5	5	7	6	4	3	11	6	11	6	6·4	6	..	..	1	3	1	1
	ORDER 6.																		
	1 Ovarian Dropsy	..	..	..	1	2	1	..	1	..	..	·5	1	..	..	1	..	..	..
	2. *Uterus Disease, &c.*	4	4	5	5	4	5	2	4	5	5	4·3	6	..	..	1	4	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
	2. *Joint Disease, &c.*	5	3	7	7	6	4	5	2	5	6	5·0	6	1	4	..	1	1	..
	ORDER 8.																		
	1. Phlegmon	1	1	2	..	..	5	3	1	1	1	1·5	1	..	1	..	..	..	..
	2. Ulcer	..	2	1	1	1	1	2	4	1	3	1·6	4	1	1	..	..	3	..
V.	3. *Skin Disease, &c.*	..	3	..	3	..	2	4	2	..	1	1·5	1	..	..	..	..	1	..
	ORDER 1.																		
	1. Premature Birth	17	22	23	23	20	20	17	28	23	17	21·0	20	20	20	..	..	..	..
	2. Cyanosis	2	1	4	1	3	1	2	3	..	1	1·8	3	3	3	..	..	..	..
	3. Spina Bifida	1	..	2	1	..	1	..	..	1	1	·7	1	1	1	..	..	..	..
	4. Other Malformations	..	3	2	1	2	2	4	2	2	3	2·1	3	3	3	..	..	..	..
	5. Teething	10	13	16	6	11	24	13	15	17	14	13·9	18	18	18	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	1	1	1	..	·3	1	..	..	..	1	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	6	5	10	5	5	1	3	7	5	5·0	4	..	..	4	..	..	..
	ORDER 3.																		
	1. Old Age	33	45	53	28	52	65	36	51	40	37	44·0	38	..	..	..	..	20	18
	ORDER 4.																		
	1. Atrophy and Debility	41	38	53	53	38	56	48	66	67	47	50·7	54	44	45	..	1	8	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	16	11	13	17	14	23	15	14	14	15	15·2	15	2	4	1	6	4	..
	2. Wounds	1	..	..	..	2	..	..	1	..	..	·4	..	..	..	..	..	..	..
	3. Burns and Scalds	8	5	5	6	8	4	4	3	2	3	4·8	2	1	1	..	..	1	..
	4. Poison	2	1	1	2	..	2	..	..	2	1	1·1	2	..	..	1	1	..	..
	5. Drowning	6	12	3	6	4	5	4	10	4	5	5·9	2	..	1	1	..	..	..
	6. Suffocation	4	4	5	3	3	6	5	10	4	6	5·0	1	1	1	..	..	..	..
	7. Otherwise	2	3	2	2	7	4	..	..	2	2	2·4	2	1	1	1	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	4	2	4	1	..	4	2	1	5	2	2·5	2	2	2	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	1	1	..	..	..	..	..	..	2	·4	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	1	1	1	1	1	1	1	1	3	1·1	2	..	..	..	2	..	..
	2. Poison	..	1	..	..	..	..	..	..	1	1	·3	1	..	..	1	..	..	..
	3. Drowning	3	2	..	1	2	..	1	1	1	1	1·2	2	..	..	1	1	..	..
	4. Hanging	1	3	1	4	..	5	2	1	4	1	2·2	1	..	..	1	..	..	..
	5. Otherwise	..	..	..	..	..	..	1	..	1	..	·2	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	1	..	..	1	..	1	1	·4	1	..	..	1	..	..	..
	Sudden Deaths (Cause unascertained)	2	2	2	1	4	1	..	5	..	..	1·7	1	..	..	..	1	..	..
	Causes not specified or ill-defined	2	9	18	21	14	14	10	12	16	7	12·3	1	1	1	..	..	..	..

emorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture he urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 22D MAY 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. MONTH AND DAY.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
MAY.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
SUNDAY .	16	..	29·571	54·6	45·5	9·1	49·0	47·2	64·5	42·0	52·9	51·7	1·8	7·0	0·0	— 3·3	93	N.E.	NE.	0·1	0·0	0·0	180	0·05	3
MONDAY .	17	..	29·466	66·5	47·4	19·1	53·7	48·8	120·2	46·8	53·4	52·4	4·9	13·7	0·0	+ 1·1	84	N. & SE.	SSW.	1·8	0·0	0·2	193	0·01	4
TUESDAY .	18	First Quarter	29·340	62·1	46·9	15·2	52·1	49·2	112·8	41·0	53·9	52·9	2·9	6·5	0·0	— 0·8	90	SW. & SSW.	SW.	3·8	0·0	0·5	347	0·24	6
WEDNESDAY	19	..	29·323	56·6	43·1	13·5	47·4	44·9	117·4	42·7	53·4	52·4	2·5	8·4	0·0	— 5·8	91	SW.	WSW. & W.	19·0	0·0	(0·7)	384	0·33	4
THURSDAY .	20	..	29·548	60·6	38·5	22·1	49·0	41·1	123·5	30·9	53·4	52·7	7·9	15·0	0·0	— 4·5	74	W. & WSW.	W. & WSW.	4·9	0·0	0·4	292	0·01	3
FRIDAY . .	21	In Equator Perigee	29·593	59·6	37·6	22·0	48·8	45·7	118·6	30·7	53·9	53·4	3·1	12·7	0·0	— 5·0	89	WSW. & NE.	NE., SE., & N.	0·2	0·0	0·0	130	0·03	3
SATURDAY .	22	..	29·869	59·1	46·2	12·9	49·9	45·4	87·8	43·2	55·4	54·4	4·5	10·3	0·6	— 4·2	84	N., NE., & SW.	S. & SW.	0·0	0·0	0·0	105	0·01	1
MEANS . .		..	29·530	59·9	43·6	16·3	50·0	46·0	106·4	39·6	53·8	52·8	3·9	10·5	0·1	— 3·2	86	Variable.		..	..	..	Sum 1631	Sum 0·68	3·4
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

DATE. MAY.		ELECTRICITY.	SKY AND ATMOSPHERE.
SUNDAY .	16	The insulating lamp was not burning.	Overcast. Occasional rain.
MONDAY .	17	No electricity was shown.	Overcast generally throughout the morning; fine afterwards, and light clouds were prevalent. A shower of rain fell for a short time about 4h. P.M.
TUESDAY .	18	No electricity was shown.	Partially cloudy. Occasional showers of rain.
WEDNESDAY	19	Strong positive and negative electricity observed between 1h. P.M. and 3h. P.M.	Generally cloudy. Occasional heavy showers of rain. During showers of short duration about 1h. P.M. and 2h. P.M. hail also fell, and thunder was heard frequently. One flash of lightning was seen at 1h. 7m. P.M.
THURSDAY .	20	The insulating lamp was not burning.	Generally fine, and light clouds prevailed. Showers of rain fell, principally between 1h. P.M. and 2h. P.M.
FRIDAY .	21	The insulating lamp was not burning.	Generally cloudy. Fine till evening, then rain fell generally.
SATURDAY .	22	No electricity was shown.	Partially cloudy. Very gloomy about 1h. P.M. Occasional thin rain fell in the afternoon, and a heavy shower fell from 3h. 50m. to 4h. 30m. P.M. Slight fog prevailed at night.

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·68 in. at the beginning of the week to 29·29 in. by 3h. P.M. on the 19th; increased to 29·59 in. by 9h. A.M. on the 21st; decreased to 29·55 in. by noon on the same day; and increased to 29·93 in. by the end of the week.

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WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 21. 1869. Vol. XXX.] Week ending Saturday, May 29. [Price 1½d.

General Register Office, Somerset House,
31st May 1869.

In the week that ended on Saturday, 29th May, 4419 births, and 2922 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 23 per 1000 persons living.

The annual rate of mortality last week was 21 per 1000 in London, 39 in Edinburgh, and 24 in Dublin; 24 in Bristol, 17 in Birmingham, 28 in Liverpool, 24 in Manchester, 23 in Salford, 23 in Sheffield, 20 in Bradford, 20 in Leeds, 19 in Hull, 22 in Newcastle-upon-Tyne, and 35 in Glasgow. The rate in Vienna was 35 per 1000 during the week ending the 22d inst., and in Berlin 32 per 1000 during the seven days ending the 27th instant.

In London the births of 961 boys and 963 girls, in all 1924 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2102.

The deaths registered in London during the week were 1276. It was the twenty-first week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1342. The deaths in the present return are less by 66 than the estimated amount.

The deaths from zymotic diseases were 269, the corrected average number being 314. Eight deaths from small-pox, 23 from measles, 45 from scarlet fever, 6 from diphtheria, 92 from whooping-cough, 16 from typhus fever, 19 from enteric fever, 5 from simple continued fever, and 5 from diarrhœa were registered.

Sixteen deaths from scarlet fever were recorded in the North and 16 in the East districts.

During the last thirteen weeks 1090 children have died in the Metropolis from whooping-cough.

Four deaths from fever were registered last week in the West districts, 16 in the North (where the London Fever Hospital is situated), 5 in the Central, 2 in the East, and 13 in the South districts.

One hundred and seventy-one deaths occurred from phthisis, 104 from bronchitis, and 75 from pneumonia. The corrected average number of deaths from phthisis is 189, from bronchitis 99, and from pneumonia 64.

The deaths of 3 persons from delirium tremens, of 6 infants and 3 adults from syphilis, of 3 children and 3 adults from burns or scalds, of 7 persons from drowning, of 8 infants and one adult from suffocation, and of 9 persons who committed suicide were registered.

Seven nonagenarians died during the week.

The following deaths of 7 persons killed by horses or vehicles in the streets were recorded :—

The daughter of a labourer, aged 2 years, "run over by a cart." Died on 10th May in the Western General Dispensary, Marylebone. *Post mort.* (*Inquest.*)

A blind-maker, aged 56 years, "fracture of skull, fell from an omnibus." Died on 20th May in University College Hospital. *Post mort.* (*Inquest.*)

A cabman, aged 25 years, "compound fracture of leg by the overturning of his cab." Died on 26th May in St. Bartholomew's Hospital. (*Inquest.*)

The son of a french polisher, aged 4 years, "concussion of brain, entangled in the wheel of a brougham." Died on 24th May in the London Hospital. (*Inquest.*)

The wife of a ship rigger, aged 39 years, "run over by a van." Died on 25th May at 2 Back-church-lane, St. George-in-the-East. (*Inquest.*)

A bricklayer, aged 40 years, "knocked down and run over by an omnibus." Died on 20th May in St. Mary's Hospital. *Post mort.* (*Inquest.*)

A sawdust-seller, aged 59 years, "run over by a van." Died on 22d May in St. Mary's Hospital. *Post mort.* (*Inquest.*)

A man, aged 67 years, died on 25th May in Flower-and-Dean-street, Spitalfields, of "exhaustion from want of food and necessaries." *Post mort.* (*Inquest.*)

The waters supplied by the Metropolitan Companies during the month of May contained (according to Professor Frankland's analysis) in 100,000 tons, foreign solid matters amounting to 27 tons in the Chelsea water, 27 in the West Middlesex, 27 in the Southwark and Vauxhall, 27 in the Grand Junction, 28 in the Lambeth, 27 in the New River, 29 in the East London, and 41 in the Kent. 100,000 tons of the Chelsea water contained 23 tons, the West Middlesex 22 tons, the Southwark and Vauxhall 23 tons, the Grand Junction 23 tons, the Lambeth 23 tons, the New River 24 tons, the East London 25 tons, and the Kent 31 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

The water from the artesian well in Trafalgar-square contained, in 100,000 tons, 83 tons of foreign solid matters, and 6 tons of carbonate of lime, or an equivalent quantity of other soap destroying ingredients.

Professor Frankland remarks:—"The Southwark Company delivered turbid "water, the Grand Junction Company's sample was slightly turbid, the waters "from the mains of the Chelsea, West Middlesex, Lambeth, New River, East "London, and Kent Companies were clear and transparent. The suspended "matter of the turbid samples was full of living organisms."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·714 in. The barometrical reading increased from 29·38 in. on Wednesday, 26th May, to 30·01 in. by the end of the week. The mean temperature of the air in the week was 51·7°, which is 3·4° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 70·5° on Wednesday, 26th May. The lowest night temperature was 41·8° on Saturday, 29th May. The entire range of temperature in the week was, therefore, 28·7°. On Friday, 28th May, the range of temperature was 2·8° only. The mean of the highest temperatures of the water of the Thames was 54·7°; that of the lowest was 52·8°. The difference between the mean dew-point temperature and air temperature was 6·4°. The mean degree of humidity of the air was 79, complete saturation being represented by 100. Rain fell to the amount of 1·12 in., of which 0·12 in. fell on Wednesday, 26th May, 0·11 in. on Thursday, 27th May, and 0·85 in. on Friday, 28th May. At Liverpool rain fell to the amount of 0·77 in. on Tuesday, 25th May. The rain-fall on Wednesday, 26th May, at Hull was 1·38 in., at Sheffield 0·90 in., and at Birmingham 0·85 in. On Thursday, 27th May, the rain-fall, at Leeds amounted to 0·92 in., and at Bradford to 0·76 in. The general direction of the wind was variable. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 238,840 cubic metres, and at Barking 143,087 cubic metres, equivalent to about as many tons by weight.

Royal College of Chemistry,
26th May 1869.

SIR,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of May. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Newcastle, Glasgow, Manchester, Preston, Lancaster, Bristol, and Dublin, and by samples of Thames water taken at London Bridge at low and high water, also by the water from the artesian well in Trafalgar-square.

The Southwark Company delivered turbid water, the Grand Junction Company's sample was slightly turbid, the waters from the mains of the Chelsea, West Middlesex, Lambeth, New River, East London, and Kent Companies were clear and transparent. The suspended matter of the turbid samples was full of living organisms.

I have, &c.
E. FRANKLAND.

The Registrar General,
&c. &c. &c.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	10th May, Cab Rank, Horse Guards	13·9	26·96	·266	·024	·001	·216	·241	1850	1·73	22·5
West Middlesex	10th May, Cab Rank, Portland-road	14·2	26·52	·165	·016	·001	·176	·193	1450	1·70	22·2
Southwark and Vauxhall	10th May, Cab Rank, St. George's Church, Borough	15·0	27·06	·273	·035	·001	·207	·243	1760	1·70	23·4
Grand Junction	10th May, Cab Rank, Woodstock-st.	13·3	26·84	·269	·029	·002	·208	·239	1780	1·71	22·9
Lambeth	10th May, Cab Rank, Lambeth-road	13·6	27·64	·279	·024	·001	·252	·277	2210	1·84	23·2
OTHER SOURCES.											
New River	10th May, Cab Rank, Tottenham-court-road	13·9	26·60	·117	·016	·001	·204	·221	1730	1·64	24·1
East London	11th May, Slater's Lamp Black Works, Old Ford-road	13·6	28·86	·120	·023	·001	·184	·208	1530	1·77	24·5
Kent	11th May, Deptfd. Bdge, Police Stat.	13·3	41·34	·052	·008	·000	·377	·385	3450	2·38	31·4
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July, Glasgow		3·00	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June, Manchester		6·20	·183	·009	·006	·025	·039	0	1·117	3·7
Preston	August, Preston		12·44	·236	·031	·006	·000	·036	0	1·590	8·9
Lancaster	November, Lancaster		4·58	·129	·022	·001	·000	·023	0	·993	·87
Bristol	February 1869, Bristol Waterworks		28·66	·160	·017	·001	·203	·221	1720	1·3	24·46
Dublin	April 1869, Dublin Water Supply		6·34	·238	·024	·001	·000	·025	0	1·24	2·97
Thames water, filtered	27th April 1869, London Bridge mid-stream — at low water		30·35	·455	·075	·032	·181	·282	1750	1·95	22·7
	at high water		92·85	·540	·122	·025	·394	·537	3830	31·5	23·9
Artesian well water	May 6th, 1869, Trafalgar Square, London		83·4	·150	·012	·070	·000	·070	260	16·55	5·92
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 10th May at the Horse Guards cab rank had a temperature of

13·9° C.; 100,000 lbs. of it contained 26·96 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·266 lb. of carbon and ·024 lb. of nitrogen. This solid impurity also contained ·216 lb. of nitrogen in the form of nitrates and nitrites, besides ·001 lb. of ammonia, whilst the total amount of *combined* nitrogen in every form was ·241 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 1850 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·73 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 22·5 lbs. of carbonate of lime, or an equivalent quantity of other soap destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Twenty-first Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1882	1680	1826	1919	1888	1966	1876	1985	1996	2096	1911·4	1924
Males . .	966	842	892	951	961	1030	950	1022	1016	1067	969·7	961
Females . .	916	838	934	968	927	936	926	963	980	1029	941·7	963
Total Deaths	1028	1087	1237	1209	1259	1234	1249	1528	1118	1252	1220·1	1276*
Males .	535	575	626	633	645	642	660	805	594	654	636·9	658
Females .	493	512	611	576	614	592	589	723	524	598	583·2	618

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Mar. 6.	Mar. 13.	Mar. 20.	Mar. 27.	Apr. 3.	Apr. 10.	Apr. 17.	Apr 24.	May 1.	May 8.	May 15	May 22.	May 29.
Deaths - - - - -	1487	1519	1549	1590	1670	1550	1595	1377	1288	1421	1279	1281	1276
Deaths under 5 years of age -	592	615	582	603	678	601	662	614	563	616	536	528	517
Deaths under 20 years of age	682	721	698	703	786	698	772	696	656	721	631	634	613
Deaths 20—40 - - -	217	199	204	228	211	215	235	199	183	209	208	184	184
Deaths 40–60 - - -	279	254	268	289	282	260	254	211	211	236	210	231	202
Deaths at 60 years of age and upwards - - -	309	345	379	370	391	377	324	271	238	255	230	232	277
Deaths from Smallpox - -	6	7	3	2	4	4	2	4	8	3	4	3	8
„ „ Measles - -	25	27	20	30	31	34	28	18	20	21	24	22	23
„ „ Scarlet Fever -	56	39	33	43	44	39	41	38	42	53	56	45	45
„ „ Diphtheria -	4	6	5	4	6	5	3	6	4	7	6	5	6
„ „ Whooping-cough	65	81	67	71	73	85	103	97	81	91	87	97	92
„ „ Typhus fever -	15	19	20	14	20	17	24	24	19	9	18	7	16
„ „ Enteric fever -	26	27	26	21	21	19	14	19	21	21	16	12	19
„ „ Simple Cont^{d} fever	11	17	16	22	16	12	17	10	7	13	8	4	5
„ „ Diarrhœa - -	18	19	13	16	19	12	21	21	10	19	10	15	5
„ „ Phthisis - -	161	176	187	197	179	195	192	184	156	216	169	194	171
„ „ Bronchitis - -	196	230	244	262	269	249	191	147	111	131	117	101	104
„ „ Pneumonia -	98	90	99	103	102	104	95	86	89	85	69	78	75
„ „ Heart Disease -	60	74	74	80	82	65	67	50	59	54	65	75	60
Mean Temperature of the Air	39°·1	35°·6	36°·9	38°·7	39°·0	47°·1	55°·2	50°·3	51°·9	50°·5	51°·2	50°·0	51°·7
Mean Temperature of the Water of the Thames -	42·2	40·8	38·8	41·0	40·7	43·8	52·7	52·9	54·7	54·4	54·1	53·3	53·7
Humidity of the Air - -	76	82	84	84	83	88	81	83	74	88	79	86	79
Rain-fall in inches - -	0·47	0·04	0·57	0·27	0·24	0·17	0·46	0·25	0·00	1·28	0·35	0·68	1·12

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Mayfair was not received when the Tables were under preparation, but an average of 6, derived from the returns of six previous weeks, is substituted for the true number, which is 5.

BIRTHS and DEATHS registered, and METEOROLOGY during the Week ending Saturday, the 29th day of May 1869, in the following large TOWNS.

(The municipal boundaries are used for each of the English Towns, except LONDON.)

BOROUGHS, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	BIRTHS. Corrected Average Weekly Number in 10 Years 1851-60.	BIRTHS. Registered during the Week ending 29th May.	DEATHS. Corrected Average Weekly Number in 10 Years 1851-60.	DEATHS. Registered during the Week ending 29th May.	TEMPERATURE OF THE AIR. (FAHRENHEIT.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	RAIN FALL. In Inches.	In Tons per Acre.	TEMPERATURE OF THE AIR. (CENTIGRADE.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	RAIN FALL per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4419**	**3244**	**2922**	**70·5**	**31·0**	**47·2**	**0·81**	**82**	**21·39**	**−0·56**	**10·95**	**206**
LONDON (Metropolis . .	3,170,754	40·7	2070	1924	1462	1276	70·5	41·8	51·7	1·12	113	21·39	5·45	10·95	284
BRISTOL . . (City) .	169,423	36·1	109	112	76	77 *	68·9	39·9	50·7	1·02	103	20·50	4·39	10·39	259
BIRMINGHAM . (Borough) .	360,846	46·1	283	231	175	121	64·0	40·1	48·3	1·18	119	17·78	4·50	9·06	300
LIVERPOOL . . (Borough) .	509,052	99·7	345	380	295	277	60·1	37·5	47·3	0·82	83	15·62	3·06	8·50	208
MANCHESTER . (City) .	370,892	82·7	277	308	210	173 *	64·0	41·7	49·6	0·12	12	17·78	5·39	9·78	30
SALFORD . . (Borough) .	119,350	23·1	89	112	60	53	61·7	38·7	47·3	0·17	17	16·50	3·72	8·50	43
SHEFFIELD . . (Borough) .	239,752	10·5	196	155	126	104	61·0	40·0	46·4	1·38	139	16·11	4·44	8·00	351
BRADFORD . . (Borough) .	138,522	21·0	105	130	71	54	59·6	38·3	45·5	1·07	108	15·34	3·50	7·50	272
LEEDS . . . (Borough .	253,110	11·7	189	260	129	99	59·0	40·0	45·8	1·20	121	15·00	4·44	7·67	305
HULL . . . (Borough) .	126,682	35·6	83	69	59	47	57·0	37·0	44·6	1·58	160	13·89	2·78	7·01	401
NEWCASTLE-ON-TYNE (Borough)	130,503	24·5	90	96	69	54	52·0	40·0	43·3	0·21	21	11·11	4·44	6·28	53
EDINBURGH . (City) .	178,002	40·2	112	141	86	132	56·7	31·0	45·2	0·10	10	13·72	−0·56	7·33	25
GLASGOW . . (City) .	458,937	90·6	374	333	268	306	59·2	32·0	46·0	0·15	15	15·11	0·00	7·78	38
DUBLIN (City and some suburbs)	320,762	32·9	219	168	158	149	63·6	34·2	49·5	1·24	125	17·56	1·22	9·72	315
				Week ending 22d May 1869.		Week ending 22d May 1869.	Week ending 22d May 1869.					Week ending 22d May 1869.			
VIENNA . . (City) .	(1863) 560,000	..	..	..	..	377	..	..	65·1	..	..	..	..	18·38	..
				Week ending 27th May 1869.		Week ending 27th May 1869.	Week ending 27th May 1869.					Week ending 27th May 1869.			
BERLIN . . (City) .	(1867) 702,437	..	..	580	..	438	..	..	60·4	..	..	..	..	15·75	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 29th May, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	1924	1276	8	23	45	6	92	40	5
WEST DISTRICTS -	270	190	-	3	3	-	15	4	-
NORTH DISTRICTS -	420	295	3	5	16	3	24	16	1
CENTRAL DISTRICTS	213	151	-	7	2	2	15	5	-
EAST DISTRICTS -	455	283	3	6	16	-	19	2	2
SOUTH DISTRICTS -	566	357	2	2	8	1	19	13	2
WEST DISTRICTS.									
St. Mary Paddington *WH*	40	23	-	1	1	-	2	-	-
St. John Paddington H	13	13	-	-	-	-	-	-	-
Kensington Town *W* -	46	28	-	1	1	-	3	1	-
Brompton H - -	15	7	-	-	-	-	-	1	-
St. Peter Hammersmith	1	-	-	-	-	-	-	-	-
St. Paul Hammersmith	19	13	-	-	-	-	1	-	-
Fulham *W* - - -	9	5	-	-	-	-	-	-	-
Chelsea South H - -	18	14	-	1	-	-	-	-	-
ChelseaNorth-west H*Ww*	13	8	-	-	-	-	1	-	-
Chelsea North-east -	8	6	-	-	-	-	-	-	-
Hanover Square - -	1	3	-	-	-	-	1	-	-
May Fair *W* - -	5	6	-	-	-	-	-	-	-
Belgrave H - - -	30	15	-	-	-	-	-	2	-
St. John Westminster -	18	13	-	-	-	-	4	-	-
St. Margaret West. *WH*	9	11	-	-	1	-	1	-	-
St. James's Square -	2	3	-	-	-	-	-	-	-
Golden Square *W* -	9	9	-	-	-	-	-	-	-
Berwick-street - -	9	4	-	-	-	-	1	-	-
St. Anne Soho - -	5	9	-	-	-	-	1	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	20	12	-	1	1	-	3	-	-
Cavendish Square - -	3	5	-	-	1	-	-	1	-
Rectory Marylebone *W*	16	18	-	1	-	-	-	-	-
St. Mary Marylebone -	14	12	-	-	-	-	1	-	-
Christchurch Marylebone	24	15	-	-	1	-	2	-	-
St. John Marylebone -	12	13	-	-	3	1	1	-	-
Hampstead *W* - -	13	10	-	-	-	-	-	-	-
Regent's Park Pancras -	26	6	-	-	-	-	1	-	-
Tottenham-court *w*H -	17	17	-	-	-	-	1	1	1
Gray's Inn Lane H -	6	11	-	-	1	-	1	-	-
Somers Town - -	21	13	-	-	-	-	3	-	-
Camden Town *W* -	15	20	-	-	1	-	-	1	-
Kentish Town - -	39	17	-	-	1	-	1	1	-
Islington West* *WHH*	69	54	3	2	2	-	3	12	-
Islington East *Ww* -	59	37	-	1	2	-	5	-	-
Stoke Newington - -	4	3	-	-	1	-	1	-	-
Stamford Hill - -	2	1	-	-	-	-	-	-	-
West Hackney - -	14	8	-	-	1	2	-	-	-
Hackney *WHw* - -	22	17	-	-	1	-	1	-	-
South Hackney L -	24	6	-	-	-	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	7	6	-	-	-	-	1	-	-
St. Giles South *W* -	10	17	-	-	1	-	3	1	-
St. Giles North - -	16	9	-	-	1	1	2	-	-
Long Acre - - -	11	4	-	-	-	-	1	1	-
Charing Cross *WH* -	4	3	-	-	-	-	-	-	-
St. Mary-le-Strand -	4	5	-	1	-	-	-	-	-
St. Clement Danes H -	8	13	-	-	-	-	-	-	-
St. George-the-Martyr H	15	6	-	1	-	-	-	-	-
St. Andrew, East Holb. *W*	8	6	-	1	-	-	1	-	-
Saffron Hill - - -	7	2	-	-	-	-	-	-	-
St. James Clerkenwell *W*	10	7	-	1	-	-	1	-	-
Amwell Clerkenwell -	16	9	-	-	-	-	1	1	-
Pentonville - - -	9	4	-	-	-	-	-	-	-
Goswell-street - -	14	7	-	-	-	-	-	-	-
Old-street - - -	10	1	-	1	-	-	-	-	-
City-road HL - -	23	5	-	-	-	-	-	-	-
Whitecross-street - -	7	7	-	-	-	1	-	-	-
Finsbury - - -	6	2	-	-	-	-	1	-	-
St. Botolph East London	6	7	-	-	-	-	2	-	-
Cripplegate - - -	7	5	-	-	-	-	1	1	-
West London North *WH*	4	16	-	-	-	-	-	-	-
West London South -	7	3	-	1	-	-	-	-	-
London City South-west	1	1	-	1	-	-	-	-	-
London City North-west	-	2	-	-	-	-	1	-	-
London City South -	2	2	-	-	-	-	-	1	-
London City South-east	-	2	-	-	-	-	-	-	-
London City North-east	1	-	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	12	4	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	11	4	-	-	2	-	-	-	-
Hoxton New Town *w* -	28	16	-	-	-	-	1	-	-
Hoxton Old Town - -	21	6	-	-	1	-	-	-	-
Haggerstone West *W* -	21	20	-	-	-	-	1	-	-
Haggerstone East - -	16	9	-	-	-	-	2	-	1
Hackney-road - -	35	11	-	-	1	-	2	1	-
Green, Bthnl.Grn. *WHL*†	26	25	1	-	-	-	1	-	-
Church, Bethnal Green	21	8	-	-	1	-	1	-	-
Town, Bethnal Green -	9	13	-	-	1	-	1	-	-
Artillery Whitechapel -	5	-	-	-	-	-	-	-	-
Spitalfields - - -	9	6	-	-	-	-	-	-	-
Mile End New Town *W*	10	9	-	-	2	-	-	-	-
Whitechapel North -	11	5	-	-	-	-	1	-	-
Whitechapel Church H	4	7	-	-	-	-	-	-	-
Goodman's Fields - -	6	4	-	1	-	-	-	-	-
Aldgate - - - -	8	4	-	-	-	-	-	-	-
St. Mary St. Geo. East -	5	5	-	-	-	-	-	-	-
St. Paul St. Geo. East -	19	10	-	-	-	-	1	-	-
St. John St. Geo. East *W*	10	6	-	1	1	-	-	-	1
Shadwell *W* - - -	6	7	-	1	-	-	-	-	-
Ratcliff *W* - - -	10	10	-	-	-	-	2	-	-
Limehouse *W* - -	16	8	-	-	2	-	-	-	-
Mile End Old Town, West	33	15	-	2	2	-	2	-	-
Mile End Old T., East *Ww*	27	28	2	1	2	-	3	1	-
Bow *ww*L† - - -	50	30	-	-	-	-	1	-	-
Poplar *W* - - -	26	13	-	-	1	-	-	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	7	11	-	-	-	-	2	1	-
St. Saviour Southwark H	9	6	-	-	-	-	1	-	-
St. Olave Southwark H	2	14	-	-	-	-	-	-	-
St. John Horsleydown *W*	6	6	-	-	1	-	-	1	-
St. James Bermondsey -	36	19	-	-	1	-	3	-	-
St. Mary Magdalen *W*	7	4	-	-	-	-	-	-	-
Leather Market - -	13	11	-	-	1	-	1	-	-
Kent-road - - -	8	8	-	1	-	-	1	-	-
Borough-road *W* - -	5	15	-	-	1	-	-	-	-
London-road L - -	17	5	-	-	-	-	1	-	-
Trinity Newington -	14	13	-	-	-	-	-	2	-
St. Peter Walworth *W*	35	10	-	-	-	-	-	-	-
St. Mary Newington H -	7	10	-	-	-	1	-	-	-
Waterloo-road 1st - -	3	7	-	-	-	-	-	-	-
Waterloo-road 2nd -	10	7	-	-	-	-	-	-	-
Lambeth Church 1st -	12	4	-	-	1	-	-	1	-
Lambeth Church 2nd *W*	25	20	-	-	-	-	2	-	-
Kennington 1st - -	19	16	-	1	-	-	-	1	-
Kennington 2nd - -	21	6	-	-	-	-	-	-	-
Brixton - - - -	16	14	2	-	-	-	1	1	-
Norwood *W* - - -	7	1	-	-	1	-	-	-	-
Clapham - - -	15	7	-	-	-	-	-	-	-
Battersea *Ww* - -	31	19	-	-	-	-	-	-	-
Wandsworth L - -	6	9	-	-	-	-	-	-	-
Putney - - - -	-	3	-	-	-	-	-	-	-
Streatham - - -	4	1	-	-	-	-	-	1	-
Dulwich - - -	-	2	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	10	11	-	-	-	-	1	1	-
Peckham - - -	17	14	-	-	-	-	3	-	-
St. George Camberwell -	31	9	-	-	-	-	1	-	-
Rotherhithe *W* - -	13	3	-	-	-	-	-	-	-
St. Paul Deptford - -	40	16	-	-	1	-	1	1	-
St. Nicholas Deptford -	8	1	-	-	-	-	-	-	-
Greenwich West H -	10	11	-	-	-	-	-	1	1
Greenwich East *WH* -	16	12	-	-	-	-	-	1	-
Eltham - - - -	2	-	-	-	-	-	-	-	-
Lee - - - -	11	5	-	-	-	-	1	-	-
Lewisham Village *W* -	9	1	-	-	-	-	-	-	-
Sydenham - - -	9	5	-	-	-	-	-	-	-
Charlton H - - -	8	2	-	-	1	-	-	-	-
Woolwich Dockyard H	20	5	-	-	-	-	-	-	1
Woolwich Arsenal H -	8	5	-	-	-	-	-	-	-
Plumstead, West - -	16	4	-	-	-	-	-	1	-
Plumstead, East - -	8	5	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the TWENTY-FIRST WEEK of each of the following Years.

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 28 1859	May 26 1860	May 25 1861	May 24 1862	May 23 1863	May 28 1864	May 27 1865	May 26 1866	May 25 1867	May 23 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 29, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	56°·1	59°·0	57°·5	55°·6	48°·3	52°·0	61°·7	52°·0	45°·7	59°·4	54°·7	Mean Temp. 51·7						
	ALL CAUSES . . .	1028	1087	1237	1209	1259	1234	1249	1528	1118	1252	1220·1	1276†	517	611	182	200	229	48
	SPECIFIED CAUSES .	1007	1066	1235	1203	1248	1210	1244	1524	1112	1241	1209·0	1263	513	607	180	199	229	48
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	238	236	267	308	378	306	254	366	197	300	285·0	269	180	212	24	19	12	2
II.	CONSTITUTIONAL „ .	223	267	292	307	247	294	285	300	293	255	276·3	282	57	86	85	78	30	3
III.	LOCAL „ .	391	389	466	382	429	417	507	636	448	481	454·6	521	176	206	55	88	157	15
IV.	DEVELOPMENTAL „ .	117	124	171	147	143	133	152	167	149	158	146·1	140	87	87	3	2	24	24
V.	VIOLENT DEATHS . .	38	50	39	59	51	60	46	55	25	47	47·0	51	13	16	13	12	6	4
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	213	208	251	289	355	283	237	327	175	275	261·3	243	163	195	22	14	10	2
	2. ENTHETIC „ . .	8	7	5	11	6	5	4	15	7	11	7·9	10	6	6	1	2	1	..
	3. DIETIC „ . .	16	19	11	8	13	16	9	23	13	12	14·0	14	9	9	1	3	1	..
	4. PARASITIC „ . .	1	2	..	..	4	2	4	1	2	2	1·8	2	2	2	..	..	..	..
II.	1. DIATHETIC „ . .	43	45	38	52	39	49	47	47	41	42	44·3	60	1	4	6	23	25	2
	2. TUBERCULAR „ . .	180	222	254	255	208	245	238	253	252	213	232·0	222	56	82	79	55	5	1
III.	1. DISEASES OF NERVOUS SYSTEM . .	132	121	126	107	133	131	178	177	155	151	141·1	145	57	66	15	14	44	6
	2. „ OF ORGANS OF CIRCULATION .	55	43	48	58	40	49	63	81	53	47	53·7	67	3	9	7	19	32	..
	3. „ OF RESPIRATORY ORGANS . .	130	157	220	155	169	146	160	287	158	190	177·2	213	105	116	11	26	54	6
	4. „ OF DIGESTIVE ORGANS . .	43	48	53	41	54	49	70	60	53	50	52·1	60	9	10	15	15	17	3
	5. „ OF URINARY ORGANS . . .	17	18	9	12	23	26	20	18	22	27	19·2	24	2	3	5	7	9	..
	6. „ OF ORGANS OF GENERATION .	6	..	5	4	5	9	4	6	3	2	4·4	6	..	..	..	5	1	..
	7. „ OF ORGANS OF LOCOMOTION .	7	1	2	1	1	6	7	3	4	10	4·2	4	..	2	2	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	1	1	3	4	4	1	5	4	..	4	2·7	2	..	..	..	2	..	..
IV.	1. DEV. DISEASES OF CHILDREN	32	51	65	27	28	34	34	51	43	45	41·0	40	40	40	..	..	..	..
	2. „ OF ADULTS . .	3	3	6	6	10	3	4	12	6	3	5·6	3	..	..	3	..	..	..
	3. „ OF OLD PEOPLE	38	43	46	50	61	43	52	51	40	35	45·9	44	..	..	..	..	20	24
	4. DISEASES OF NUTRITION .	44	27	54	64	44	53	62	53	60	75	53·6	53	47	47	..	2	4	..
V.	1. ACCIDENT OR NEGLIGENCE .	26	34	32	49	44	48	43	43	21	37	37·7	42	13	16	11	7	4	4
*	3. HOMICIDE	3	9	1	3	1	3	1	4	2	4	3·1	..	..	..	..	..	..	..
	4. SUICIDE	9	7	6	7	6	9	2	8	2	5	6·1	9	..	..	2	5	2	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	7	3	1	2	3	7	1	2	..	..	2·6	1	..	..	1	..	..	..
	CAUSES NOT SPECIFIED . .	14	18	1	4	8	17	4	2	6	11	8·5	12†	4	4	1	1	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

† An average of 6 is added without distinction of ages. See note *, page 172.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 28 1859	May 26 1860	May 25 1861	May 24 1862	May 23 1863	May 28 1864	May 27 1865	May 26 1866	May 25 1867	May 23 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 29, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	56°·1	59°·0	57°·5	55°·6	48°·3	52°·0	61°·7	52°·0	45°·7	59°·4	54°·7	Mean Temp. 51°·7						
I.	ORDER 1.																		
	1. Small-pox	19	24	3	5	68	15	7	28	32	13	21·4	8	4	5	3	..	..	..
	2. Measles	19	51	19	46	37	79	16	61	14	64	40·6	23	23	23	..	..	..	..
	3. Scarlet Fever (Scarlatina)	50	26	31	57	94	38	34	19	16	35	40·0	45	34	44	1	..	..	..
	4. Diphtheria	13	8	13	13	11	3	2	5	9	6	8·3	6	2	3	..	2	1	..
	5. Quinsy	1	..	1	2	3	3	2	2	1	1	1·6	1	..	..	1	..	..	..
	6. Croup	9	3	13	12	19	9	17	12	4	16	11·4	8	6	8	..	..	..	..
	7. Whooping-cough	35	33	97	42	46	42	56	108	41	59	55·9	92	83	92	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	42	30	32	69	44	62	52	55	28	38	45·2	16 19 5	1 3 1	2 10 1	7 3 2	5 3 1	2 3 1	.. .. ..
	9. Erysipelas	3	4	5	4	7	2	10	4	5	9	5·3	5	2	2	..	1	..	2
	10. Puerperal Fever (Metria)	3	1	10	6	4	5	4	5	1	6	4·5	2	..	..	2	..	..	..
	11. Carbuncle	..	1	1	..	..	..	1	..	..	..	·3	..	..	..	..	..	..	..
	12. Influenza	1	1	1	2	..	..	..	1	..	..	·6	..	..	..	..	..	..	..
	13. Dysentery	2	2	3	2	3	1	2	2	2	..	1·9	..	..	..	..	..	..	..
	14. Diarrhœa	10	15	16	17	14	14	27	16	16	19	16·4	5	3	3	..	2	..	..
	15. Simple Cholera	..	..	..	1	..	..	..	2	2	1	·6	..	..	..	..	..	..	..
	16. Ague	1	..	..	1	..	1	..	..	..	..	·3	..	..	..	..	..	..	..
	17. Remittent fever	..	4	2	3	..	2	..	1	..	..	1·2	..	..	..	..	..	..	..
	18. Rheumatism	5	5	4	7	5	7	7	6	4	8	5·8	7	..	1	3	..	3	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	7	5	4	10	6	4	4	15	6	8	6·9	9	6	6	1	2	..	..
	2. Stricture of Urethra	1	2	1	1	..	1	..	..	1	3	1·0	1	..	..	..	..	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	..	..	2	..	1	..	1	·4	1	..	..	..	..	1	..
	2. Want of Breast-milk	6	10	7	4	8	12	6	9	5	7	7·4	7	7	7	..	..	..	..
	3. Purpura and Scurvy	2	3	1	..	1	..	2	3	2	3	1·7	2	2	2	..	..	..	..
	4. Alcoholism (*a* Del. Tremens; *b* Intemperance)	5 3	4 2	2 1	3 1	3 1	1 1	1 ..	4 6	3 3	1 ..	2·7 1·8	3 1	..	..	1 ..	2 1	..	..
	ORDER 4.																		
	1. Thrush	1	1	..	..	4	2	4	1	2	2	1·7	2	2	2	..	..	..	..
	2. Worms, &c.	..	1	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	2	2	2	..	3	3	1	..	2	1·7	7	..	..	..	4	3	..
	2. Dropsy	11	19	5	16	14	11	11	20	10	11	12·8	17	1	3	2	4	7	1
	3. Cancer	27	18	30	28	19	29	27	25	26	27	25·6	33	..	1	4	15	12	1
	4. Cancrum Oris (Noma)	..	2	..	2	..	..	1	..	1	1	·7	..	..	..	..	..	..	..
	5. Mortification	3	4	1	4	6	6	5	1	4	1	3·5	3	..	..	..	..	3	..
	ORDER 2.																		
	1. Scrofula	8	9	12	10	13	10	7	10	1	6	8·6	8	4	7	..	1	..	..
	2. Tabes Mesenterica	10	14	22	20	19	14	25	14	12	13	16·3	15	11	15	..	..	..	..
	3. Phthisis	130	171	177	176	145	187	176	185	206	162	171·5	171	16	32	79	54	5	1
	4. Hydrocephalus	32	28	43	49	31	34	30	44	33	32	35·6	28	25	28	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	10	16	11	10	16	15	29	19	22	15	16·3	17	9	12	3	..	2	..
	2. Apoplexy	26	27	29	29	24	26	46	40	37	39	32·3	26	3	4	2	7	11	2
	3. Paralysis	29	17	26	21	14	13	31	36	21	25	23·3	30	..	..	1	3	22	4
	4. Insanity	1	4	1	..	4	..	1	6	2	2	2·1	2	..	..	..	2	..	..
	5. Chorea	..	..	..	..	1	..	..	1	..	..	·2	1	..	1	..	..	..	..
	6. Epilepsy	7	4	3	3	9	8	7	11	7	12	7·1	11	1	3	7	..	1	..
	7. Convulsions	46	35	44	29	48	47	51	44	50	43	43·7	46	44	46	..	..	..	..
	8. *Brain Disease, &c.*	13	18	12	15	17	22	13	20	16	15	16·1	12	..	..	2	2	8	..
	ORDER 2.																		
	1. Pericarditis	..	1	3	..	2	..	1	4	2	1	1·4	3	..	..	..	2	1	..
	2. Aneurism	2	3	1	2	..	1	4	3	1	4	2·1	4	..	..	1	3	..	..
	3. *Heart Disease, &c.*	53	39	44	56	38	48	58	74	50	42	50·2	60	3	9	6	14	31	..
	ORDER 3.																		
	1. Laryngitis	3	4	13	7	6	8	5	11	3	10	7·0	9	5	7	1	1	..	..
	2. Bronchitis	65	81	110	74	80	82	94	149	80	87	90·2	104	44	45	3	15	37	4
	3. Pleurisy	3	3	4	2	3	1	1	3	2	4	2·6	..	..	..	..	..	..	..
	4. Pneumonia	44	48	78	52	65	35	44	96	51	70	58·3	75	50	58	5	4	7	1
	5. Asthma	7	10	7	8	3	3	7	9	9	7	7·0	7	..	..	..	1	6	..
	6. *Lung Disease, &c.*	8	11	8	12	12	17	9	19	13	12	12·1	18	6	6	2	5	4	1
	ORDER 4.																		
	1. Gastritis	5	3	1	3	4	3	6	2	1	2	3·0	3	1	1	2	..	..	..
	2. Enteritis	5	7	5	1	10	8	8	5	5	7	6·1	4	1	2	..	..	1	1
	3. Peritonitis	2	4	2	6	4	4	9	5	3	8	4·7	6	..	..	2	1	2	1
	4. Ascites	1	3	6	3	..	2	4	4	3	3	2·9	1	..	..	..	1	..	..
	5. Ulceration of Intestines	1	1	..	2	2	1	1	2	4	2	1·6	2	1	1	1	..	..	..
	6. Hernia	4	2	3	1	2	1	4	2	4	3	2·6	1	..	..	..	1	..	..
	7. Ileus	4	1	1	1	1	7	3	3	4	2	2·7	5	1	1	..	3	1	..
	8. Intussusception	..	1	..	..	..	1	2	1	..	1	·6	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

the TWENTY-FIRST WEEK of each of the following Years—*continued.*

ass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, May 28 1859	May 26 1860	May 25 1861	May 24 1862	May 23 1863	May 28 1864	May 27 1865	May 26 1866	May 25 1867	May 23 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, May 29, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	56°·1	59°·0	57°·5	55°·6	48°·3	52°·0	61°·7	52°·0	45°·7	59°·4	54°·7	51°·7						
	9. Stricture of Intestines	1	..	1	1	1	..	2	1	1	2	1·0	2	..	..	..	..	2	..
	10. Fistula	..	..	1	1	1	..	..	..	2	..	·5	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	3	3	4	6	3	4	4	8	4	7	4·6	4	..	..	3	..	..	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	2	2	5	3	4	5	2	2	4	2	3·1	6	1	1	1	2	2	..
	14. Jaundice	1	5	5	2	5	4	5	5	3	2	3·7	7	3	3	1	1	2	..
	15. *Liver Disease, &c.*	11	16	19	11	16	8	19	20	15	8	14·3	19	1	1	5	6	7	..
	16. *Spleen Disease, &c.*	3	..	..	..	1	1	1	..	..	1	·7	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	2	..	2	1	2	..	..	3	1·0	1	1	1	..	..	..	..
	2. Ischuria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	7	8	2	3	6	10	3	7	14	14	7·4	15	..	1	4	6	4	..
	4. Diabetes	..	2	1	2	3	2	2	1	4	..	1·7	3	..	..	1	..	2	..
	5. Calculus (Stone)	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
	6. Cystitis	..	2	..	1	1	..	1	..	..	1	·6	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	10	6	4	6	10	13	12	10	4	9	8·4	4	1	1	..	1	2	..
	ORDER 6.																		
	1. Ovarian Dropsy	..	..	..	..	1	1	1	..	..	..	·3	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	6	..	5	4	4	8	3	6	3	2	4·1	6	..	..	..	5	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	6	1	2	1	1	6	7	3	4	10	4·1	4	..	2	2	..	..	..
	ORDER 8.																		
	1. Phlegmon	1	1	1	1	1	1	3	1	..	2	1·2	2	..	..	..	2	..	..
	2. Ulcer	..	..	1	2	1	..	1	3	..	2	1·0	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	..	..	1	1	2	..	1	..	..	..	·5	..	..	..	..	..	..	..
V.	ORDER 1.																		
	1. Premature Birth	16	32	25	16	10	17	11	25	28	25	20·5	16	16	16	..	..	..	..
	2. Cyanosis	2	1	2	2	4	2	..	4	1	3	2·1	..	..	..	..	..	..	..
	3. Spina Bifida	1	1	1	..	1	1	..	..	..	..	·5	..	..	..	..	..	..	..
	4. Other Malformations	1	2	1	..	..	2	3	2	1	1	1·3	1	1	1	..	..	..	..
	5. Teething	12	15	36	9	13	12	20	20	13	16	16·6	23	23	23	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	1	..	..	1	..	..	·2	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	3	6	6	9	3	4	11	6	3	5·4	3	..	..	3	..	..	..
	ORDER 3.																		
	1. Old Age	38	43	46	50	61	43	52	51	40	35	45·9	44	..	..	..	..	20	24
	ORDER 4.																		
	1. Atrophy and Debility	44	27	54	64	44	53	62	53	60	75	53·6	53	47	47	..	2	4	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	6	10	15	20	19	25	26	20	9	11	16·1	17	2	2	4	6	3	2
	2. Wounds	..	1	..	..	3	2	..	4	..	1	1·1	..	..	..	..	..	..	..
	3. Burns and Scalds	8	6	6	10	3	4	..	5	3	4	4·9	6	3	3	1	..	..	2
	4. Poison	..	..	1	2	1	1	..	..	..	1	·6	1	..	..	..	..	1	..
	5. Drowning	5	12	6	7	12	8	9	7	1	7	7·4	7	..	2	4	1	..	..
	6. Suffocation	5	4	3	10	5	6	7	5	3	9	5·7	9	8	9	..	..	..	..
	7. Otherwise	2	1	1	..	1	2	1	2	5	4	1·9	2	..	..	2	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	3	9	1	3	1	3	1	4	2	4	3·1	..	..	..	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	2	2	1	1	..	1	..	3	..	1	1·1	3	..	..	..	2	1	..
	2. Poison	1	1	..	2	..	1	1	3	..	2	1·1	..	..	..	..	..	..	..
	3. Drowning	2	..	3	..	4	2	..	..	1	1	1·3	4	..	..	2	2	..	..
	4. Hanging	3	4	2	3	2	3	1	1	..	..	1·9	1	..	..	..	..	1	..
	5. Otherwise	..	..	..	1	..	2	..	1	1	1	·6	1	..	..	..	1	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	7	3	1	2	3	7	1	2	..	..	2·6	1	..	..	1	..	..	..
	Causes not specified or ill-defined	14	18	1	4	8	17	4	2	6	11	8·5	12†	4	4	1	1	..	..

æmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 6 is added, without distinction of ages. See note *, page 172.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 29th May 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
May.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	23	..	29·915	63·2	43·2	20·0	51·6	44·8	101·5	42·2	53·4	52·4	6·8	15·8	0·0	— 2·7	78	wsw & nne.	NW&WSW	0·1	0·0	0·0	132	0·00	4
Monday. .	24	..	29·758	68·1	45·3	22·8	55·1	45·8	133·6	40·6	55·4	53·4	9·3	17·6	1·3	+ 0·5	71	SW.	S.SSW.& ESE.	0·3	0·0	0·0	130	0·02	2
Tuesday .	25	Full	29·577	68·1	50·7	17·4	57·6	47·1	125·6	48·6	55·9	54·0	10·5	18·7	3·0	+ 2·7	68	E. & SE.	ESE. & E. by N.	7·7	0·0	0·4	271	0·01	4
Wednesday	26	..	29·397	70·5	51·3	19·2	58·8	52·1	135·6	47·2	55·4	53·4	6·2	14·6	2·6	+ 3·1	80	E.	SW. & N.	3·5	0·0	0·2	204	0·12	5
Thursday.	27	..	29·603	62·6	45·6	17·0	51·1	49·3	107·4	44·1	55·1	52·0	1·8	9·6	0·0	— 4·3	94	NE.	NE.& ENE.	3·2	0·0	0·4	286	0·11	4
Friday . .	28	Greatest Dec. S.	29·776	45·8	43·0	2·8	43·7	41·0	58·4	41·0	54·4	51·7	2·7	4·4	0·0	—12·0	90	ENE.	ENE.	20·0	0·1	1·1	465	0·85	6
Saturday.	29	..	29·969	51·9	41·8	10·1	44·6	37·2	76·7	37·1	53·4	52·4	7·4	10·2	4·0	—11·4	75	NE.	NE.	3·0	0·0	0·8	360	0·01	6
Means . .		..	29·714	61·5	45·8	15·6	51·7	45·3	105·5	43·0	54·7	52·8	6·4	13·0	1·6	— 3·4	79	Variable.		..	..	..	Sum 1848	Sum 1·12	4·4
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. May.		Electricity.	Sky and Atmosphere.
Sunday .	23	No electricity was shown.	Generally cloudy. Very gloomy for a short time about noon.
Monday .	24		Fine and partially cloudy till evening, then overcast, and rain fell between 8h. P.M. and 10h. P.M.
Tuesday .	25		Partially cloudy. Rain fell after 10h. P.M. At Liverpool rain fell to the amount of 0·77 inch.
Wednesday	26		Rain fell heavily during the early morning hours; very fine, and partially cloudy throughout the remainder of the day. The rain-fall at Hull was 1·38 inch, at Sheffield 0·90 inch, and at Birmingham 0·85 inch.
Thursday .	27		Overcast. Rain fell frequently in the afternoon and evening. At Leeds the rain-fall amounted to 0·92 inch, and at Bradford to 0·76 inch.
Friday .	28		Overcast. Heavy rain fell continuously from 5h. A.M. till about 8h. P.M., and thin rain fell generally after that time till about 6h. P.M. The range of temperature during the day was 2 ·8 only.
Saturday .	29	The insulating lamp was not burning.	A little rain fell in the early morning, and the sky was overcast till evening; generally clear afterwards.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer was 29·93 in. at the beginning of the week; and continued at this reading till after noon on the 23d; decreased to 29·38 in. by 3h. P.M. on the 26th; and increased to 30·01 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 22. 1869. Vol. XXX.] WEEK ENDING SATURDAY, JUNE 5. [Price 1*d.*

General Register Office, Somerset House,
7th June 1869.

IN THE WEEK that ended on Saturday, 5th June, 4378 BIRTHS, and 3036 DEATHS, were registered in LONDON and in THIRTEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 24 per 1000 persons living.

The annual rate of mortality last week was 22 per 1000 in London, 42 in Edinburgh, and 22 in Dublin; 18 in Bristol, 19 in Birmingham, 27 in Liverpool, 22 in Manchester, 29 in Salford, 26 in Sheffield, 20 in Bradford, 19 in Leeds, 26 in Hull, 22 in Newcastle-upon-Tyne, and 39 in Glasgow. The rate in Vienna was 33 per 1000 during the week ending the 29th ult., and in Berlin 34 per 1000 during the seven days ending the 3d instant.

In LONDON the BIRTHS of 1080 boys and 1020 girls, in all 2100 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2114.

The DEATHS registered in LONDON during the week were 1355. It was the twenty-second week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1308. The deaths in the present return exceed by 47 the estimated number.

The deaths from zymotic diseases were 285, the corrected average number being 309. Three deaths from small-pox, 24 from measles, 62 from scarlet fever, 3 from diphtheria, 89 from whooping-cough, 15 from typhus fever, 15 from enteric fever, 6 from simple continued fever, and 22 from diarrhœa were registered.

The mortality from scarlet fever was greater than in many previous weeks. Six cases were registered in the West districts, 12 in the North, 3 in the Central, 24 in the East, and 17 in the South districts.

Three deaths from measles were recorded in the sub-district of Hackney, and 5 in the sub-district of St. Mary, St. George-in-the-East.

Two hundred deaths occurred from phthisis, 115 from bronchitis, and 62 from pneumonia. The corrected average number of deaths from phthisis is 182, from bronchitis 95, and from pneumonia 64.

Sixty-one persons died from diseases of the heart, and 153 from diseases of the brain and nervous system.

The deaths of 3 infants and 2 adults from syphilis, of 3 children and one adult from burns or scalds, of 14 persons from drowning, of 4 infants and one adult from suffocation, and of 5 persons who committed suicide were recorded.

Five hundred and thirty-two children died under 5 years of age; of these 22 died from measles, 46 from scarlet fever, 83 from whooping-cough, 15 from diarrhœa, 6 from want of breast milk, 25 from hydrocephalus, 17 from tabes mesenterica, 41 from convulsions, 47 from bronchitis, 38 from pneumonia, 27 from premature birth, 19 from teething, and 59 from atrophy and debility.

The following deaths of 3 persons killed by horses or vehicles in the streets were recorded :—

A boy, aged 3 years, "fracture of skull, run over by a cart." Died on 26th May at 5, Duke's-terrace, Malden-road, Kentish-town. (*Post mort. Inquest.*)

A rent collector, aged 68 years, "run over by a van." Died on 22d May at 194, Blackfriars-road. (*Inquest.*)

A cabman, aged 48 years, "fracture of skull, fell from a cab." Died on 27th May in Charing-cross Hospital.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·951 in. The barometrical reading decreased from 30·13 in. on Tuesday, 1st June, to 29·74 in. on Friday, 4th June. The mean temperature of the air in the week was 53·3°, which is 3·7° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 71·9° on Saturday, 5th June. The lowest night temperature was 33·5° on Sunday, 30th May. The entire range of temperature in the week was, therefore, 38·4°. The mean of the highest temperatures of the water of the

Thames was 55·1°; that of the lowest was 52·0°. The difference between the mean dew-point temperature and air temperature was 5·3°. The mean degree of humidity of the air was 82, complete saturation being represented by 100. Rain fell to the amount of 0·10 in. on Thursday, 3d June. The general direction of the wind was W.S.W. and S.W. According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 197,993 cubic metres, and at Barking 151,039 cubic metres, equivalent to about as many tons by weight.

The supply of water in May was at the daily rate of about 453,577 metric tons, of which it appears by Dr. Frankland's analysis that about 453,454 tons were pure water, while 123 tons were solid impurities of various kinds, including 106 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients. The residue of 17 tons consists of organic and other matters in various stages of change. The visible impurities in the turbid waters are not reckoned.

Oxford, Reading, Windsor, and several towns and hamlets on the Thames contained a population of 175,651 eight years ago. The contents of their sewers and cesspools, as well as the manure of fields, find their way into the waters, where some of the matters undergo changes, others persist for a shorter or longer time, as the temperature and floods vary. In May, Dr. Frankland found 27 tons of solid impurities to 99,973 of pure water.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of May 1869: thus, according to their account, 99,830,840 gallons or 453,577 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 97·8 decalitres, rather less than a *ton* by weight, to each house, and 14 decalitres (= 30 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of May, it may be estimated that about 82,045,300 gallons were probably used for domestic purposes, or about 24·9 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	April 1869.	May 1869.	April 1869.	May 1869.
Total Supply . . .	463,428	464,001	97,313,153	99,830,840
From Thames	211,633	212,059	50,069,663	52,606,950
From Lea and from other Sources . .	251,795	251,942	47,243,490	47,223,890
Thames.				
Chelsea	27,212	27,212	8,108,700	8,662,000
West Middlesex	39,435	39,507	7,844,425	8,363,927
Southwark and Vauxhall . . .	72,377	72,409	13,713,627	14,193,698
Grand Junction	30,159	30,295	10,419,911	10,676,225
Lambeth	42,450	42,636	9,983,000	10,711,100
Lea and other Sources.				
New River	115,985	116,132	22,394,000	22,686,000
East London	97,971	97,971	18,216,868	17,806,000
Kent	37,839	37,839	6,632,622	6,731,890

Note.—The Return for May as compared with that for April shows an increase of 573 houses, and an increase of 2,517,687 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Twenty-second Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1593	1517	1959	1986	1997	1893	1860	2136	2237	2039	1921·7	2100
Males . .	786	766	972	1010	1005	919	969	1111	1176	1018	973·2	1080
Females .	807	751	987	976	992	974	891	1025	1061	1021	948·5	1020
Total Deaths	998	1004	1069	1119	1296	1213	1187	1540	1250	1217	1189·3	1355
Males . .	507	525	549	591	649	639	641	792	642	676	621·1	683
Females .	491	479	520	528	647	574	546	748	608	541	568·2	672

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 5th day of June 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births.		Deaths.		Temperature of the Air. (Fahrenheit.)			Rain Fall.		Temperature of the Air. (Centigrade.)			Rain Fall per Hectare in Metric Tons.
			Corrected Average Weekly Number in 10 Years 1851-60.	Registered during the Week ending 5th June.	Corrected Average Weekly Number in 10 Years 1851-60.	Registered during the Week ending 5th June.	Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	In Inches.	In Tons per Acre.	Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4378**	**3244**	**3036**	**71·9**	**33·5**	**52·3**	**0·25**	**25**	**22·17**	**0·84**	**11·28**	**64**
London (Metropolis)	3,170,754	40·7	2070	2100	1462	1355	71·9	33·5	53·3	0·10	10	22·17	0·84	11·84	25
Bristol (City)	169,423	36·1	109	118	76	60 *	68·6	36·4	52·5	0·18	18	20·34	2·44	11·39	46
Birmingham (Borough)	360,846	46·1	283	208	175	128	68·6	40·1	53·2	0·17	17	20·34	4·50	11·78	43
Liverpool (Borough)	509,052	99·7	345	372	295	265	65·9	42·2	53·2	0·23	23	18·83	5·67	11·78	58
Manchester (City)	370,892	82·7	277	276	210	155 *	68·8	36·0	54·2	0·18	18	20·45	2·22	12·33	46
Salford (Borough)	119,350	23·1	89	84	60	67	68·3	35·0	52·3	0·22	22	20·17	1·67	11·28	56
Sheffield (Borough)	239,752	10·5	196	188	126	120	67·0	39·0	52·8	0·09	9	19·44	3·89	11·56	23
Bradford (Borough)	138,522	21·0	105	94	71	54	64·5	40·5	52·8	0·10	10	18·06	4·72	11·56	25
Leeds (Borough)	253,110	11·7	189	125	129	93	66·0	39·0	50·8	0·07	7	18·89	3·89	10·45	18
Hull (Borough)	126,682	35·6	83	72	59	62	70·0	35·0	51·3	0·11	11	21·11	1·67	10·73	28
Newcastle-on-Tyne (Borough)	130,503	24·5	90	87	69	55	65·0	39·0	51·1	0·16	16	18·33	3·89	10·62	41
Edinburgh (City)	178,002	40·2	112	135	86	143	62·7	36·0	50·0	0·80	81	17·06	2·22	10·00	203
Glasgow (City)	458,937	90·6	374	398	268	343	63·3	34·5	50·3	0·65	66	17·39	1·39	10·17	165
Dublin (City and some suburbs)	320,762	32·9	219	121	158	136	67·5	43·3	55·0	0·39	39	19·72	6·28	12·78	99
				Week ending 29th May 1869.		Week ending 29th May 1869.	Week ending 29th May 1869.					Week ending 29th May 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	354	..	..	67·1	..	..	..	..	19·50	..
				Week ending 3d June 1869.		Week ending 3d June 1869.	Week ending 3d June 1869.					Week ending 3d June 1869.			
Berlin (City)	(1867) 702,437	..	..	540	..	469	..	..	54·7	..	..	..	..	12·62	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 5th June 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases.						
			Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2100	1355	3	24	62	3	89	36	22
WEST DISTRICTS -	331	209	-	1	6	1	12	6	5
NORTH DISTRICTS -	473	325	1	5	12	-	23	16	5
CENTRAL DISTRICTS -	196	146	-	1	3	-	19	3	3
EAST DISTRICTS -	429	319	1	8	24	1	18	5	6
SOUTH DISTRICTS -	671	356	1	9	17	1	17	6	3
WEST DISTRICTS.									
St. Mary Paddington *WH*	43	19	-	-	1	-	2	-	1
St. John Paddington H	13	12	-	-	-	-	-	1	-
Kensington Town *W* -	51	24	-	-	1	-	2	1	1
Brompton H - -	17	9	-	-	1	-	-	-	-
St. Peter Hammersmith	8	3	-	-	-	-	-	-	-
St. Paul Hammersmith	20	8	-	-	-	-	-	-	-
Fulham *W* - - -	15	9	-	-	-	-	-	-	-
Chelsea South H - -	19	8	-	-	-	-	-	-	1
Chelsea North-west H*Ww*	24	16	-	-	-	-	3	1	-
Chelsea North-east -	9	4	-	-	-	-	-	-	-
Hanover Square - -	3	5	-	-	-	-	-	-	-
May Fair *W* - -	3	8	-	-	-	-	-	-	1
Belgrave H - - -	32	22	-	-	-	-	1	1	-
St. John Westminster -	27	15	-	-	1	-	-	1	-
St. Margaret West. *WH*	21	17	-	-	-	1	-	1	-
St. James's Square -	4	3	-	-	-	-	-	-	-
Golden Square *W* -	12	15	-	-	-	-	3	-	1
Berwick-street - -	3	3	-	-	-	-	-	-	-
St. Anne Soho - -	7	9	-	1	2	-	1	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	18	13	-	-	-	-	1	1	-
Cavendish Square - -	7	4	-	-	-	-	-	-	-
Rectory Marylebone *W*	16	23	-	-	2	-	1	-	-
St. Mary Marylebone -	27	11	-	1	-	-	-	-	-
Christchurch Marylebone	18	12	-	-	1	-	1	-	-
St. John Marylebone -	30	12	-	-	-	-	-	-	-
Hampstead *W* - -	20	7	-	-	-	-	-	-	-
Regent's Park Pancras -	22	11	-	-	1	-	-	-	-
Tottenham-court *w*H -	13	14	-	-	-	-	-	-	1
Gray's Inn Lane H -	18	12	-	-	-	-	1	-	-
Somers Town - -	26	18	-	-	1	-	1	1	-
Camden Town *W* -	16	17	-	-	1	-	1	-	-
Kentish Town - -	38	31	-	-	-	-	2	2	-
Islington West* *WHH*	64	50	1	1	1	-	6	10	2
Islington East *Ww* -	79	42	-	-	3	-	6	-	1
Stoke Newington - -	3	2	-	-	-	-	1	-	-
Stamford Hill - -	2	-	-	-	-	-	-	-	-
West Hackney - -	14	9	-	-	-	-	1	1	1
Hackney *WHw* - -	33	23	-	3	2	-	-	-	-
South Hackney L -	9	14	-	-	-	-	1	1	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	9	6	-	-	-	-	2	-	-
St. Giles South *W* -	13	15	-	-	-	-	1	1	-
St. Giles North - -	6	8	-	-	1	-	-	1	-
Long Acre - - -	11	2	-	-	-	-	-	-	-
Charing Cross *WH* -	3	7	-	-	-	-	-	-	-
St. Mary-le-Strand -	3	4	-	-	-	-	1	-	-
St. Clement Danes H -	7	10	-	-	-	-	3	-	-
St. George-the-Martyr H	12	10	-	-	-	-	4	-	1
St. Andrew, East Holb. *W*	8	3	-	-	-	-	-	-	-
Saffron Hill - - -	4	8	-	-	1	-	1	-	-
St. James Clerkenwell *W*	10	10	-	1	-	-	-	-	1
Amwell Clerkenwell -	15	8	-	-	-	-	-	-	-
Pentonville - - -	10	4	-	-	-	-	-	-	-
Goswell-street - -	10	5	-	-	-	-	1	-	-
Old-street - - -	6	2	-	-	-	-	-	-	-
City-road HL - -	17	6	-	-	-	-	-	-	-
Whitecross-street - -	6	2	-	-	-	-	1	1	-
Finsbury - - -	4	6	-	-	-	-	2	-	-
St. Botolph East London	7	4	-	-	-	-	1	-	-
Cripplegate - - -	15	7	-	-	1	-	-	-	-
West London North *WH*	8	7	-	-	-	-	1	-	1
West London South -	5	4	-	-	-	-	1	-	-
London City South-west	1	1	-	-	-	-	-	-	-
London City North-west	1	1	-	-	-	-	-	-	-
London City South -	-	1	-	-	-	-	-	-	-
London City South-east	2	3	-	-	-	-	-	-	-
London City North-east	3	2	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases.						
			Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	6	7	-	-	1	-	1	-	-
St. Leonard Shrdtch. L†	5	4	-	-	1	-	-	-	-
Hoxton New Town *w* -	21	17	-	-	-	-	1	-	1
Hoxton Old Town - -	28	9	-	-	1	-	-	-	-
Haggerstone West *W* -	15	24	-	-	-	-	2	-	2
Haggerstone East - -	12	9	-	-	-	-	1	1	1
Hackney-road - -	16	4	-	-	-	-	-	1	-
Green. Bthnl. Grn. *WH*L†	30	14	-	-	1	-	1	-	-
Church, Bethnal Green -	17	7	-	-	-	-	1	1	-
Town, Bethnal Green -	7	8	-	-	1	-	3	-	-
Artillery Whitechapel -	3	1	-	-	-	-	-	-	-
Spitalfields - - -	9	6	-	-	-	-	2	-	-
Mile End New Town *W*	16	21	-	1	1	-	-	-	1
Whitechapel North -	8	3	-	-	-	-	-	-	-
Whitechapel Church H	4	15	-	-	1	-	-	-	-
Goodman's Fields - -	7	8	-	-	1	-	1	-	-
Aldgate - - - -	2	5	-	1	1	-	-	-	-
St. Mary St. Geo. East -	17	12	-	5	-	-	1	-	-
St. Paul St. Geo. East -	14	7	-	1	1	-	-	-	-
St. John St. Geo. East *W*	2	10	-	-	2	-	-	-	-
Shadwell *W* - - -	5	6	-	-	-	-	-	-	-
Ratcliff *W* - - -	9	14	-	-	3	-	-	1	-
Limehouse *W* - -	16	13	-	-	1	-	-	-	-
Mile End Old Town, West	28	14	-	-	3	-	3	-	-
Mile End Old T., East *Ww*	44	16	1	-	1	-	1	-	1
Bow *ww*L† - - -	47	31	-	-	3	1	-	1	-
Poplar *W* - - -	41	34	-	-	1	-	-	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	6	7	-	-	-	-	-	-	-
St. Saviour Southwark H	4	7	-	-	-	-	1	-	-
St. Olave Southwark H	4	8	-	-	-	-	-	-	-
St. John Horsleydown *W*	3	6	-	-	1	-	-	-	-
St. James Bermondsey -	54	15	-	1	1	-	-	-	-
St. Mary Magdalen *W* -	12	20	-	1	2	-	-	-	-
Leather Market - -	15	11	-	-	1	-	2	1	-
Kent-road - -	10	5	-	-	-	-	-	-	-
Borough-road *W* - -	10	7	-	-	-	-	-	-	-
London-road L - -	14	9	-	1	-	-	1	-	-
Trinity Newington -	17	3	-	-	2	-	-	-	-
St. Peter Walworth *W*	36	12	-	-	1	-	1	1	-
St. Mary Newington H	8	13	-	1	-	-	1	-	-
Waterloo-road 1st -	16	8	-	-	1	-	-	-	-
Waterloo-road 2nd -	17	9	-	1	-	-	1	-	-
Lambeth Church 1st -	15	10	-	-	-	-	-	-	-
Lambeth Church 2nd *W*	17	13	-	-	-	-	-	-	-
Kennington 1st - -	21	8	-	-	1	-	2	-	-
Kennington 2nd - -	20	8	-	-	2	-	-	-	-
Brixton - - - -	27	14	1	1	-	-	-	1	-
Norwood *W* - - -	9	4	-	-	-	-	-	-	-
Clapham - - -	17	6	-	-	-	-	2	-	-
Battersea *Ww* - -	42	19	-	-	1	1	-	-	-
Wandsworth L - -	17	7	-	-	-	-	-	-	-
Putney - - - -	2	3	-	-	-	-	-	-	-
Streatham - - -	6	3	-	-	-	-	-	-	-
Dulwich - - -	1	1	-	-	-	-	-	-	-
Camberwell *WL*†L† -	20	11	-	-	-	-	-	1	-
Peckham - - -	29	14	-	-	1	-	1	1	-
St. George Camberwell -	25	16	-	1	1	-	2	-	-
Rotherhithe *W* - -	16	11	-	-	-	-	1	-	-
St. Paul Deptford - -	45	14	-	-	-	-	-	-	-
St. Nicholas Deptford -	10	1	-	-	-	-	-	-	-
Greenwich West H -	9	10	-	-	1	-	-	-	1
Greenwich East *WH* -	16	13	-	1	-	-	1	-	-
Eltham - - - -	1	-	-	-	-	-	-	-	-
Lee - - - -	4	3	-	-	-	-	-	-	-
Lewisham Village *W* -	8	4	-	1	-	-	-	-	-
Sydenham - - -	10	6	-	-	-	-	-	-	-
Charlton H - - -	3	2	-	-	-	-	-	-	-
Woolwich Dockyard H	13	6	-	-	-	-	-	-	-
Woolwich Arsenal H -	18	4	-	-	-	-	1	-	-
Plumstead, West - -	9	2	-	-	-	-	-	-	-
Plumstead, East - -	15	3	-	-	1	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex - ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

Deaths in London, from All Causes, Registered in the Twenty-second Week of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 4 1859	June 2 1860	June 1 1861	May 31 1862	May 30 1863	June 4 1864	June 3 1865	June 2 1866	June 1 1867	May 30 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 5, 1869. ALL AGES.	Deaths of Persons of the Ages Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	62°·3	51°·3	57°·5	57°·6	55°·4	50°·4	58°·3	56°·2	59°·0	59°·2	56°·8	Mean Temp. 53°·3						
	ALL CAUSES . . .	998	1004	1069	1119	1296	1213	1187	1540	1250	1217	1189·3	1355	532	637	196	258	221	43
	SPECIFIED CAUSES .	981	1001	1013	1094	1289	1186	1176	1525	1242	1199	1170·6	1351	529	634	196	257	221	43
	(Classes.)																		
I.	ZYMOTIC DISEASES .	195	224	248	280	364	312	261	400	226	295	280·5	285	197	233	22	22	7	1
II.	CONSTITUTIONAL „ .	245	245	225	241	255	257	299	336	291	272	266·6	310	58	81	106	85	32	6
III.	LOCAL „ .	385	376	381	396	476	447	418	583	492	444	439·8	539	153	189	57	132	146	15
IV.	DEVELOPMENTAL „ .	123	120	124	131	148	140	142	150	181	131	139·0	174	110	111	3	5	34	21
V.	VIOLENT DEATHS . .	33	36	35	46	46	30	56	56	52	57	44·7	43	11	20	8	13	2	..
	(Orders.)																		
I.	1. Miasmatic Diseases . .	181	205	227	254	338	288	231	374	197	266	256·1	268	185	221	19	20	7	1
	2. Enthetic „ . .	6	8	8	8	12	7	13	8	8	14	9·2	7	3	3	2	2	..	..
	3. Dietic „ . .	7	9	10	13	11	14	15	15	16	14	12·4	8	7	7	1	..	..	..
	4. Parasitic „ . .	1	2	3	5	3	3	2	3	5	1	2·8	2	2	2	..	..	..	..
II.	1. Diathetic „ . .	51	45	31	46	43	47	40	52	45	28	42·8	52	..	..	3	22	21	6
	2. Tubercular „ . .	194	200	194	195	212	210	259	284	246	244	223·8	258	58	81	103	63	11	..
III.	1. Diseases of Nervous System . .	124	113	97	125	159	135	130	150	145	143	132·1	153	50	58	14	29	45	7
	2. „ of Organs of Circulation .	49	47	44	53	45	57	63	71	63	52	54·4	65	2	11	8	29	16	1
	3. „ of Respiratory Organs . .	131	142	169	146	178	171	142	284	185	150	169·8	205	90	100	13	35	53	4
	4. „ of Digestive Organs . . .	43	46	43	44	63	54	58	52	61	61	52·5	55	6	10	8	18	17	2
	5. „ of Urinary Organs . . .	22	15	18	19	17	14	16	11	24	23	17·9	41	2	4	8	16	12	1
	6. „ of Organs of Generation .	6	5	5	4	3	6	6	7	2	2	4·6	5	..	..	1	4	..	..
	7. „ of Organs of Locomotion .	5	4	..	2	8	5	2	5	10	8	4·9	11	1	4	4	1	2	..
	8. „ of Integumentary System .	5	4	5	3	3	5	1	3	2	5	3·6	4	2	2	1	..	1	..
IV.	1. Dev. Diseases of Children	40	38	34	38	34	44	43	50	52	38	41·1	51	51	51	..	..	..	..
	2. „ of Adults .	4	4	7	8	10	1	11	4	9	4	6·2	6	..	1	3	2	..	..
	3. „ of Old People	46	39	35	43	44	44	39	41	45	35	41·1	48	..	..	..	..	27	21
	4. Diseases of Nutrition .	33	39	48	42	60	51	49	55	75	54	50·6	69	59	59	..	3	7	..
V.	*1 Accident or Negligence .	26	24	25	36	40	24	48	44	38	47	35·2	36	9	18	6	10	2	..
	3. Homicide	1	3	1	5	4	3	4	2	5	3	3·1	2	2	2	..	..	..	..
	4. Suicide	6	9	9	5	1	3	4	10	7	7	6·1	5	..	..	2	3	..	..
	5. Execution	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths not classed	..	..	..	..	1	..	..	..	2	..	·3	..	..	..	..	..	..	..
	Sudden Deaths, cause unascertained	3	1	4	3	1	3	4	3	2	..	2·4	..	..	..	..	..	..	..
	Causes not specified . .	14	2	52	22	6	24	7	12	6	18	16·3	4	3	3	..	1	..	..

* Order 2., comprising Violent Deaths in Battle, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 4 1859	June 2 1860	June 1 1861	May 31 1862	May 30 1863	June 4 1864	June 3 1865	June 2 1866	June 1 1867	May 30 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 5, 1869. Deaths of Persons of the Ages ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	62°3	51°3	57°5	57°6	55°4	50°4	58°3	56°2	59°0	59°2	56°8	Mean Temp. 53°3						
I	ORDER 1.																		
	1. Small-pox	13	17	2	2	68	8	11	24	18	17	18·0	3	2	3	..	..	..	..
	2. Measles	19	51	20	47	39	86	18	69	17	56	42·2	24	22	24	..	..	..	..
	3. Scarlet Fever (Scarlatina)	42	27	29	41	78	52	25	48	18	29	38·9	62	46	59	3	..	..	..
	4. Diphtheria	7	7	18	10	8	12	7	3	8	7	8·7	3	2	2	1	..	..	..
	5. Quinsy	..	..	..	2	..	..	1	3	1	1	·8	..	..	..	..	..	..	..
	6. Croup	7	6	10	10	17	16	17	19	10	15	12·7	8	7	8	..	..	..	..
	7. Whooping-cough	37	33	94	28	48	38	53	105	47	60	54·3	89	83	89	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	34	22	22	73	46	36	44	59	41	43	42·0	15 15 6	1 4 1	2 10 1	4 3 2	9 2 2	 1	.. .. ..
	9. Erysipelas	3	6	12	5	10	5	2	9	5	6	6·3	4	1	2	..	..	1	1
	10. Puerperal Fever (Metria)	..	..	1	5	1	..	2	2	7	3	2·1	4	..	1	2	1	..	..
	11. Carbuncle	..	..	..	2	1	3	1	1	1	..	·9	..	..	..	..	..	..	..
	12. Influenza	1	..	..	..	1	..	1	1	..	..	·4	..	..	..	..	..	..	..
	13. Dysentery	..	4	1	..	2	2	3	..	2	1	1·5	4	1	1	1	1	1	..
	14. Diarrhœa	6	18	12	20	12	23	38	19	15	19	18·2	22	15	15	1	3	3	..
	15. Simple Cholera	..	..	..	..	..	..	1	2	1	1	·5	..	..	..	..	..	..	..
	16. Ague	..	1	..	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	17. Remittent Fever	1	2	1	2	..	3	2	2	..	..	1·3	1	..	..	..	1	..	..
	18. Rheumatism	11	11	5	6	7	4	5	8	6	7	7·0	8	..	4	2	1	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	6	8	8	7	12	6	11	7	4	10	7·9	5	3	3	1	1	..	..
	2. Stricture of Urethra	..	..	..	1	..	1	1	1	4	4	1·2	2	..	..	1	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	2. Want of Breast-milk	..	6	6	8	5	7	11	10	7	8	6·8	6	6	6	..	..	..	..
	3. Purpura and Scurvy	..	..	1	2	1	1	1	1	4	1	1·2	1	1	1	..	..	..	..
	4. Alcoholism (*a* Del. Tremens)	4	2	2	2	4	5	1	1	3	5	2·9	..	..	..	..	..	..	..
	4. Alcoholism (*b* Intemperance)	3	1	1	1	1	1	2	3	1	..	1·4	1	..	..	1	..	..	..
	ORDER 4.																		
	1. Thrush	1	1	3	5	3	3	2	3	5	1	2·7	2	2	2	..	..	..	..
	2. Worms, &c.	..	1	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	1	1	1	2	1	1	3	4	..	1·5	4	..	..	2	..	2	..
	2. Dropsy	11	9	9	13	13	15	11	16	12	5	11·4	6	..	..	..	3	1	2
	3. Cancer	31	31	18	29	25	30	24	25	29	20	26·2	36	..	..	1	19	15	1
	4. Cancrum Oris (Noma)	1	..	..	..	1	..	..	1	..	1	·4	..	..	..	..	..	..	..
	5. Mortification	7	4	3	3	2	1	4	7	..	2	3·3	6	..	..	..	..	3	3
	ORDER 2.																		
	1. Scrofula	12	11	12	8	12	7	13	8	13	9	10·5	10	7	7	..	2	1	..
	2. Tabes Mesenterica	16	12	11	14	17	16	22	24	19	21	17·2	19	17	18	1	..	..	..
	3. Phthisis	145	156	137	146	159	148	184	210	193	173	165·1	200	9	27	102	61	10	..
	4. Hydrocephalus	21	21	34	27	24	39	40	42	21	41	31·0	29	25	29	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	10	8	3	8	16	13	14	13	19	14	11·8	12	7	9	..	2	..	1
	2. Apoplexy	31	44	13	26	34	34	33	28	38	38	31·9	49	1	2	5	14	25	3
	3. Paralysis	18	17	14	19	32	28	19	21	23	14	20·5	22	..	1	3	2	14	2
	4. Insanity	2	..	..	1	2	2	2	3	1	4	1·7	1	..	..	..	..	1	..
	5. Chorea	1	1	..	1	..	..	..	..	..	..	·3	..	..	..	..	..	..	..
	6. Epilepsy	12	5	7	12	12	4	9	6	3	2	7·2	5	1	1	2	2	..	..
	7. Convulsions	38	25	44	34	46	40	34	59	47	50	41·7	44	41	43	..	1	..	..
	8. *Brain Disease, &c.*	12	13	16	24	17	14	19	20	14	21	17·0	20	..	2	4	8	5	1
	ORDER 2.																		
	1. Pericarditis	2	1	..	1	1	..	4	3	4	5	2·1	2	1	2	..	..	..	..
	2. Aneurism	3	2	1	4	4	2	2	3	4	2	2·7	2	..	..	..	2	..	..
	3. *Heart Disease, &c.*	44	44	43	48	40	55	57	65	55	45	49·6	61	1	9	8	27	16	1
	ORDER 3.																		
	1. Laryngitis	3	4	4	5	8	7	10	7	4	8	6·0	9	3	4	2	3	..	..
	2. Bronchitis	64	74	86	72	93	89	83	146	99	57	86·3	115	47	50	1	19	42	3
	3. Pleurisy	4	3	3	1	4	2	3	2	4	6	3·2	2	..	..	1	..	1	..
	4. Pneumonia	49	50	57	52	54	56	36	114	59	62	58·9	62	38	44	5	10	3	..
	5. Asthma	6	8	7	6	8	6	4	4	9	1	5·9	5	..	..	1	1	3	..
	6. *Lung Disease, &c.*	5	3	12	10	11	11	6	11	10	16	9·5	12	2	2	3	2	4	1
	ORDER 4.																		
	1. Gastritis	2	1	1	3	1	2	..	1	3	6	2·0	1	..	..	..	..	1	..
	2. Enteritis	6	5	7	4	7	6	7	4	3	4	5·3	5	2	4	1	..	..	..
	3. Peritonitis	5	3	3	2	7	2	5	4	3	7	4·1	3	..	1	1	1	..	..
	4. Ascites	..	3	1	5	5	3	5	4	4	1	3·1	3	..	..	1	2	..	..
	5. Ulceration of Intestines	..	..	2	2	4	1	1	2	1	1	1·4	2	..	..	1	..	1	..
	6. Hernia	1	5	1	1	4	3	2	3	..	4	2·4	4	..	..	..	1	3	..
	7. Ileus	2	6	2	1	1	2	2	4	6	3	2·9	5	..	..	..	3	2	..
	8. Intussusception	1	..	3	2	1	2	1	2	2	2	1·6	3	1	2	..	1	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

the TWENTY-SECOND WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 4 1859	June 2 1860	June 1 1861	May 31 1862	May 30 1863	June 4 1864	June 3 1865	June 2 1866	June 1 1867	May 30 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 5, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	62°3	51°3	57°5	57°6	55°4	50°4	58°3	56°2	59°2	59°5	56°8	Mean Temp. 53°3						
	9. Stricture of Intestines	1	..	1	..	..	2	..	..	1	..	·5	1	..	..	..	..	..	1
	10. Fistula	..	..	..	1	1	1	1	..	1	..	·5	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	6	7	4	4	9	7	7	5	11	6	6·6	8	2	2	2	..	3	1
	12. *Pancreas Disease, &c.*	..	1	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	13. Hepatitis	4	1	4	2	4	2	5	2	5	3	3·2	2	..	..	1	..	1	..
	14. Jaundice	3	3	3	6	5	6	4	1	2	8	4·1	1	..	..	..	1	..	..
	15. *Liver Disease, &c.*	12	11	11	11	14	14	17	20	19	16	14·5	17	1	1	1	9	6	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	1	1	..	..	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	1	2	..	..	1	..	..	..	2	·6	4	1	2	..	1	1	..
	2. Ischuria	2	..	..	..	..	..	1	..	..	..	·3	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	5	2	4	6	10	7	9	6	12	7	6·8	14	1	2	3	6	3	..
	4. Diabetes	2	1	..	1	1	3	1	..	1	1	1·1	3	..	..	1	2	..	..
	5. Calculus (Stone)	1	..	2	1	1	..	..	1	1	1	·8	2	..	..	..	..	2	..
	6. Cystitis	1	..	1	1	..	..	1	1	5	1	1·1	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	11	11	9	10	5	3	4	3	5	11	7·2	18	..	..	4	7	6	1
	ORDER 6.																		
	1 Ovarian Dropsy	1	2	1	1	..	1	1	1	..	..	·8	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	5	3	4	3	3	5	5	6	2	2	3·8	5	..	..	1	4	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	1	..	..	..	..	..	..	..	2	·3	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	5	3	..	2	8	5	2	5	10	6	4·6	11	1	4	4	1	2	..
	ORDER 8.																		
	1. Phlegmon	4	2	1	1	1	..	1	..	2	2	1·4	2	..	..	1	..	1	..
	2. Ulcer	1	1	1	1	2	1	..	1	..	1	·9	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	..	1	3	1	..	4	..	2	..	2	1·3	2	2	2	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	20	19	20	15	18	13	18	25	24	21	19·3	27	27	27	..	..	..	..
	2. Cyanosis	2	1	1	3	..	4	1	2	2	2	1·8	1	1	1	..	..	..	..
	3. Spina Bifida	3	..	..	1	1	1	1	..	..	1	·8	3	3	3	..	..	..	..
	4. Other Malformations	3	2	2	2	2	3	..	1	4	3	2·2	1	1	1	..	..	..	..
	5. Teething	12	16	11	17	13	23	23	22	22	11	17·0	19	19	19	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	2	..	..	..	1	1	..	..	·4	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	4	4	5	8	10	1	10	3	9	4	5·8	6	..	1	3	2	..	..
	ORDER 3.																		
	1. Old Age	46	39	35	43	44	44	39	41	45	35	41·1	48	..	..	..	..	27	21
	ORDER 4.																		
	1. Atrophy and Debility	33	39	48	42	60	51	49	55	75	54	50·6	69	59	59	..	3	7	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	10	8	9	11	15	10	22	20	15	20	14·0	10	2	3	2	4	1	..
	2. Wounds	2	1	..	..	..	..	1	..	1	..	·5	..	..	..	..	..	..	..
	3. Burns and Scalds	2	6	5	4	6	3	5	3	3	2	3·9	4	2	3	..	..	1	..
	4. Poison.	1	1	..	3	2	1	1	..	..	2	1·1	..	..	..	..	..	..	..
	5. Drowning	7	4	7	12	5	3	13	13	5	9	7·8	14	..	6	3	5	..	..
	6. Suffocation	3	3	4	5	6	6	2	8	12	8	5·7	5	4	4	1	..	..	..
	7. Otherwise	1	1	..	1	6	1	4	..	2	6	2·2	3	1	2	..	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	1	3	1	5	4	3	4	2	5	3	3·1	2	2	2	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	1	..	1	1	..	..	..	1	..	..	·4	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	1	3	1	..	2	1	3	..	3	1·5	2	..	..	..	2	..	..
	2. Poison.	2	..	..	..	..	1	1	1	2	2	·9	1	..	..	..	1	..	..
	3. Drowning	1	5	1	..	..	..	1	1	..	2	1·1	1	..	..	1	..	..	..
	4. Hanging	1	2	3	3	1	..	1	4	3	..	1·8	1	..	..	1	..	..	..
	5. Otherwise	..	1	1	..	..	..	..	..	2	..	·4	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	1	..	..	..	2	..	·3	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	3	1	4	3	1	3	4	3	2	..	2·4	..	..	..	..	..	..	..
	Causes not specified or ill-defined	14	2	52	22	6	24	7	12	6	18	16·3	4	3	3	..	1	..	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 5th June 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
May.			in.	°	°	°	°	°	°	°	°	°	°	°	°	— °				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday	30	..	29·965	60·3	33·5	26·8	46·9	43·3	99·7	28·2	..	..	3·6	13·3	0·0	9·4	87	WSW. & NW.	WSW, NW, & NNW.	0·2	0·0	0·0	137	0·00	0
Monday	31	..	29·981	59·2	43·3	15·9	47·8	41·8	100·5	34·2	54·4	50·9	6·0	11·6	0·0	— 8·8	80	W. & NW.	NE.	8·5	0·0	0·1	207	0·00	1
June.																									
Tuesday	1	..	30·098	65·5	35·6	29·9	50·5	43·5	133·0	25·7	53·4	50·4	7·0	17·5	0·0	— 6·5	77	WSW.	SW.	2·2	0·0	0·2	189	0·00	3
Wednesday	2	Last Quarter	30·002	71·1	47·8	23·3	57·6	49·2	134·8	46·0	54·4	51·4	8·4	17·8	1·9	+ 0·3	74	WSW.	WSW. & SW.	2·5	0·0	0·2	276	0·00	4
Thursday	3	Apogee	29·850	69·9	51·0	18·9	58·4	54·4	128·2	43·2	54·9	51·9	4·0	14·4	0·0	+ 1·0	87	SW&WSW.	NW, W, & SW.	1·5	0·0	0·1	218	0·10	3
Friday	4	In Equator	29·779	62·5	48·3	14·2	53·0	48·9	105·5	38·3	56·4	53·4	4·1	13·7	0·0	— 4·3	86	WSW.	SW. & SSW.	1·3	0·0	0·1	225	0·00	3
Saturday	5	..	29·984	71·9	50·1	21·8	59·1	54·8	145·8	50·0	56·9	53·9	4·3	13·5	1·0	+ 1·9	86	SW. & SSW.	SSW. & SW.	1·2	0·0	0·1	212	0·00	5
Means		..	29·951	65·8	44·2	21·5	53·3	48·0	121·1	37·9	(6 days) 55·1	(6 days) 52·0	5·3	14·5	0·4	— 3·7	82	WSW. & SW.		..	..	..	Sum 1464	Sum 0·10	2·7
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date.		Electricity.	Sky and Atmosphere.
May.			
Sunday	30	The insulating lamp was not burning.	The sky was generally overcast during the morning, and it was very gloomy at times; partially cloudy afterwards.
Monday	31		Generaly overcast till the afternoon, and a little rain fell occasionally; cloudless at night.
June.			
Tuesday	1		A fine day, light clouds were prevalent.
Wednesday	2		Fine, generally cloudy.
Thursday	3		Generally cloudy. Dull and gloomy in the morning, fine in the afternoon. Rain fell in the early part of the morning.
Friday	4		Generally cloudy. A little thin rain fell.
Saturday	5	No electricity was shown.	A fine day; light clouds were prevalent till evening; afterwards cloudless.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30·01 in. at the beginning of the week to 29·93 in. by 9h. A.M. on the 31st of May; increased to 30·13 in. by 9h. A.M. on the 1st of June; decreased to 29·74 in. by 3h. P.M. on the 4th; and was 30·04 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 23. 1869. Vol. XXX.] Week ending Saturday, June 12. [Price 1*d*.

General Register Office, Somerset House,
14th June 1869.

In the week that ended on Saturday, 12th June, 4262 births, and 2927 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 23 per 1000 persons living.

The annual rate of mortality last week was 21 per 1000 in London, 35 in Edinburgh, and 22 in Dublin; 21 in Bristol, 16 in Birmingham, 26 in Liverpool, 27 in Manchester, 24 in Salford, 20 in Sheffield, 24 in Bradford, 20 in Leeds, 19 in Hull, 25 in Newcastle-upon-Tyne, and 37 in Glasgow. The rate in Vienna was 34 per 1000 during the week ending the 5th inst., and in Berlin 36 per 1000 during the seven days ending the 10th instant.

In London the births of 1002 boys and 938 girls, in all 1940 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2048.

The deaths registered in London during the week were 1305. It was the twenty-third week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1271. The deaths in the present return exceed by 34 the estimated amount.

The deaths from zymotic diseases were 299, the corrected average number being 306. Eight deaths from small-pox, 28 from measles, 54 from scarlet fever, 3 from diphtheria, 96 from whooping-cough, 12 from typhus fever, 18 from enteric fever, 9 from simple continued fever, and 11 from diarrhœa were registered.

Scarlet fever was most fatal in the Central and East districts, and whooping-cough in the North and East districts.

A comparison of the deaths from fever with those registered in the preceding week shows an increase of 3 on the total number; a decrease of 3 deaths from typhus fever, an increase of 3 deaths from enteric fever, and an increase of 3 deaths from simple continued fever.

One hundred and sixty-six deaths occurred from phthisis, 97 from bronchitis, and 74 from pneumonia. The corrected average number of deaths from phthisis is 176, from bronchitis 82, and from pneumonia 57.

Three persons died from erysipelas, 6 from syphilis, 5 from dysentery, 11 from rheumatism, 3 from purpura, 2 from alcoholism, 14 from dropsy, 26 from cancer, 19 from cephalitis, 33 from apoplexy, 30 from paralysis, 6 from epilepsy, 65 from diseases of the heart, 8 from enteritis, 4 from peritonitis, 19 from liver disease, 14 from nephria (Bright's disease), 51 from atrophy and debility, and 46 from old age.

The deaths of 5 children from burns or scalds, of 11 persons from drowning, of 4 infants from suffocation, and of 14 persons who committed suicide were registered.

The following deaths of 3 persons who were killed by horses or vehicles in the streets were recorded:—

The son of an omnibus driver, aged 18 months, "run over by a cart." Died on 1st June in Birkbeck-road, Islington. (*Inquest.*)

The son of ballast-getter, aged 6 years, "fracture of skull, run over by a van." Died on 7th June at 1 Ratcliff-square. (*Inquest.*)

A gardener, aged 41 years, "run over by a horse and cart." Died on 2d June in Burnt-ash-lane, Lee. (*Inquest.*)

A seaman, aged 30 years, was found dead on 6th June in his sleeping place on board ship at Shadwell, from "scurvy, terminating suddenly by effusion into pericardium." *Post mort.* (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·962 in. The barometrical reading decreased from 30·13 in. on Sunday, 6th June, to 29·58 in. by the end of the week. The mean temperature of the air in the week was 59·0°, which is 1·3° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 87·5° on Monday, 7th June, being 14·8° above the average. The lowest night temperature was 40·7° on Friday, 11th June. The entire range of temperature in the week was, therefore, 46·8°. The mean of the highest temperatures of the water of the Thames was 58·8° ; that of the lowest was 55·8°. The difference between the mean dew-point temperature and air temperature was 8·9°. The mean degree of humidity of the air was 73, complete saturation being represented by 100. No rain fell. The general direction of the wind was variable. A fine solar halo was seen from about 5·30 P.M, till 6·40 P.M. on Saturday, 12th June. According to a return furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 175,780 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Twenty-third Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1668	1691	1847	1793	1848	1923	1956	1959	1922	2016	1862·3	1940
Males . .	834	842	963	915	971	985	1008	1006	965	1042	953·1	1002
Females . .	834	849	884	878	877	938	948	953	957	974	909·2	938
Total Deaths	938	969	1101	1114	1214	1285	1289	1383	1103	1160	1155·6	1305*
Males .	476	497	566	595	607	661	662	676	559	599	589·8	687
Females . .	462	472	535	519	607	624	627	707	544	561	565·8	618

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Mar. 20.	Mar. 27.	Apr. 3.	Apr. 10.	Apr. 17.	Apr. 24.	May 1.	May 8.	May 15	May 22.	May 29.	June 5.	June 12.
Deaths - - - - -	1549	1590	1670	1550	1595	1377	1288	1421	1279	1281	1276	1355	1305
Deaths under 5 years of age -	582	603	678	601	662	614	563	616	536	528	517	532	553
Deaths under 20 years of age	698	703	786	698	772	696	656	721	631	634	613	637	661
Deaths 20—40 - - -	204	228	211	215	235	199	183	209	208	184	184	196	194
Deaths 40–60 - - -	268	289	282	260	254	211	211	236	210	231	202	258	212
Deaths at 60 years of age and upwards - - -	379	370	391	377	334	271	238	255	230	232	277	264	238
Deaths from Smallpox - -	3	2	4	4	2	4	8	3	4	3	8	3	8
„ „ Measles - -	20	30	31	34	28	18	20	21	24	22	23	24	28
„ „ Scarlet Fever -	33	43	44	39	41	38	42	53	56	45	45	62	54
„ „ Diphtheria -	5	4	6	5	3	6	4	7	6	5	6	3	3
„ „ Whooping-cough	67	71	73	85	103	97	81	91	87	97	92	89	96
„ „ Typhus fever -	20	14	20	17	24	24	19	9	18	7	16	15	12
„ „ Enteric fever -	26	21	21	19	14	19	21	21	16	12	19	15	18
„ „ Simple Contd fever	16	22	16	12	17	10	7	13	8	4	5	6	9
„ „ Diarrhœa - -	13	16	19	12	21	21	10	19	10	15	5	22	11
„ „ Phthisis - -	187	197	179	195	192	184	156	216	169	194	171	200	166
„ „ Bronchitis - -	244	262	269	249	191	147	111	131	117	101	104	115	97
„ „ Pneumonia -	99	103	102	104	95	86	89	85	69	78	75	62	74
„ „ Heart Disease -	74	80	82	65	67	50	59	54	65	75	60	61	65
Mean Temperature of the Air	36°·9	38°·7	39°·0	47°·1	55°·2	50°·3	51°·9	50°·5	51°·2	50°·0	51°·7	53°·3	59°·0
Mean Temperature of the Water of the Thames -	38·8	41·0	40·7	43·8	52·7	52·9	54·7	54·4	54·1	53·3	53·7	53·5	57·3
Humidity of the Air - -	84	84	83	88	81	83	74	88	79	86	79	82	73
Rain-fall in inches - -	0·57	0·27	0·24	0·17	0·46	0·25	0·00	1·28	0·35	0·68	1·12	0·10	0·00

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Lee was not received when the Tables were under preparation, but an average of 4, derived from the returns of six previous weeks, is substituted for the true number, which is 5.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 12th day of June 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 12th June.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 12th June.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4262**	**3244**	**2927**	**87·5**	**36·6**	**55·8**	**0·03**	**3**	**30·84**	**2·56**	**13·23**	**8**
London (Metropolis)	3,170,754	40·7	2070	1940	1462	1305	87·5	40·7	59·0	0·00	0	30·84	4·83	15·00	0
Bristol (City)	169,423	36·1	109	93	76	69 *	84·5	40·3	58·1	0·02	2	29·17	4·61	14·50	5
Birmingham (Borough)	360,846	46·1	283	263	175	108	84·8	42·2	57·4	0·00	0	29·34	5·67	14·11	0
Liverpool (Borough)	509,052	99·7	345	369	295	250	75·0	44·7	53·8	0·01	1	23·89	7·06	12·12	3
Manchester (City)	370,892	82·7	277	241	210	193 *	82·2	41·3	57·1	0·00	0	27·89	5·17	13·95	0
Salford (Borough)	119,350	23·1	89	78	60	55	79·8	39·0	54·4	0·00	0	26·56	3·89	12·44	0
Sheffield (Borough)	239,752	10·5	196	146	126	94	83·0	41·5	57·6	0·00	0	28·33	5·28	14·23	0
Bradford (Borough)	138,522	21·0	105	101	71	65	79·6	45·0	57·1	0·00	0	26·45	7·22	13·95	0
Leeds (Borough)	253,110	11·7	189	208	129	95	83·0	42·0	57·9	0·00	0	28·33	5·56	14·39	0
Hull (Borough)	126,682	35·6	83	73	59	46	84·0	40·0	54·8	0·01	1	28·89	4·44	12·67	3
Newcastle-on-Tyne (Borough)	130,503	24·5	90	91	69	63	69·0	43·0	51·5	0·00	0	20·56	6·11	10·84	0
Edinburgh (City)	178,002	40·2	112	129	86	121	66·7	38·0	54·4	0·00	0	19·28	3·33	12·44	0
Glasgow (City)	458,937	90·6	374	347	268	327	65·8	38·5	54·0	0·35	35	18·78	3·61	12·22	89
Dublin (City and some suburbs)	320,762	32·9	219	183	158	136	69·9	36·6	54·6	0·06	6	21·06	2·56	12·56	15
				Week ending 5th June 1869.		Week ending 5th June 1869.	Week ending 5th June 1869.					Week ending 5th June 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	361	..	..	63·1	..	..	..	..	17·25	..
				Week ending 10th June 1869.		Week ending 10th June 1869.	Week ending 10th June 1869.					Week ending 10th June 1869.			
Berlin (City)	(1867) 702,437	..	..	529	..	497	..	..	60·8	..	..	..	..	16·00	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:— R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester: G. V. Vernon, Esq., Old Trafford, Manchester: D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 12th June, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	1940	1305	8	28	54	3	96	39	11
WEST DISTRICTS -	250	211	-	4	4	-	13	3	3
NORTH DISTRICTS -	407	303	4	4	8	-	26	8	5
CENTRAL DISTRICTS	213	142	-	3	13	-	9	2	1
EAST DISTRICTS -	434	290	1	6	21	-	29	18	-
SOUTH DISTRICTS -	636	359	3	11	8	3	19	8	2
WEST DISTRICTS.									
St. Mary Paddington *WH*	34	14	-	-	3	-	1	-	-
St. John Paddington H	7	7	-	-	-	-	-	-	-
Kensington Town *W* -	38	25	-	-	-	-	2	1	-
Brompton H - -	16	11	-	1	-	-	-	-	-
St. Peter Hammersmith	5	3	-	-	-	-	-	-	-
St. Paul Hammersmith	21	12	-	-	-	-	-	-	2
Fulham *W* - - -	12	13	-	-	-	-	1	-	-
Chelsea South H - -	16	16	-	-	-	-	1	-	-
Chelsea North-west H *Ww*	15	10	-	1	-	-	-	-	-
Chelsea North-east -	19	4	-	-	-	-	-	-	-
Hanover Square - -	4	6	-	-	-	-	-	-	-
May Fair *W* - -	5	7	-	-	-	-	-	-	-
Belgrave H - - -	21	26	-	1	-	-	2	2	-
St. John Westminster -	11	13	-	1	-	-	1	-	-
St. Margaret West. *WH*	6	20	-	-	-	-	2	-	1
St. James's Square -	4	1	-	-	-	-	-	-	-
Golden Square *W* -	2	10	-	-	-	-	-	-	-
Berwick-street - -	6	5	-	-	1	-	1	-	-
St. Anne Soho - -	8	8	-	-	-	-	2	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	10	16	-	-	-	-	1	-	-
Cavendish Square - -	9	4	-	-	-	-	1	-	-
Rectory Marylebone *W*	16	24	-	-	-	-	2	1	-
St. Mary Marylebone -	15	7	-	-	-	-	-	-	-
Christchurch Marylebone	8	12	-	-	-	-	1	-	-
St. John Marylebone -	17	5	-	-	-	-	1	1	-
Hampstead *W* - -	8	12	-	-	-	-	-	1	-
Regent's Park Pancras -	26	12	-	1	1	-	-	-	-
Tottenham-court *w*H -	9	15	-	-	-	-	-	-	-
Gray's Inn Lane H -	19	10	-	-	-	-	1	-	-
Somers Town - -	24	17	-	-	1	-	3	-	2
Camden Town *W* -	17	12	-	-	1	-	-	-	-
Kentish Town - -	42	25	-	-	-	-	4	-	-
Islington West* *WHH*	58	47	3	-	-	-	6	2	-
Islington East *Ww* -	66	37	1	1	3	-	5	1	3
Stoke Newington - -	4	5	-	-	-	-	-	-	-
Stamford Hill - -	2	3	-	1	-	-	1	1	-
West Hackney - -	18	8	-	-	-	-	-	-	-
Hackney *WHw* - -	21	25	-	1	1	-	-	1	-
South Hackney L -	18	7	-	-	1	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	7	4	-	-	1	-	1	-	-
St. Giles South *W* -	18	12	-	-	-	-	1	-	1
St. Giles North - -	10	5	-	-	2	-	-	-	-
Long Acre - - -	2	5	-	-	1	-	1	-	-
Charing Cross *WH* -	3	6	-	-	-	-	-	-	-
St. Mary-le Strand -	5	3	-	-	1	-	-	-	-
St. Clement Danes H -	7	10	-	1	-	-	1	1	-
St. George-the-Martyr H	17	6	-	-	1	-	2	-	-
St. Andrew, East Holb. *W*	3	10	-	-	1	-	-	-	-
Saffron Hill - - -	6	2	-	-	-	-	-	-	-
St. James Clerkenwell *W*	17	11	-	1	1	-	-	-	-
Amwell Clerkenwell -	6	2	-	-	-	-	-	-	-
Pentonville - - -	9	2	-	-	1	-	1	-	-
Goswell-street - -	4	3	-	-	-	-	-	-	-
Old-street - - -	4	6	-	-	-	-	-	-	-
City-road HL - -	33	5	-	-	1	-	-	-	-
Whitecross-street - -	16	13	-	-	1	-	-	-	-
Finsbury - - -	10	1	-	-	-	-	-	-	-
St. Botolph East London	11	9	-	-	-	-	1	1	-
Cripplegate - - -	3	3	-	1	-	-	-	-	-
West London North *WH*	1	13	-	-	-	-	-	-	-
West London South -	4	6	-	-	-	-	-	-	-
London City South-west	2	-	-	-	-	-	-	-	-
London City North-west	3	1	-	-	-	-	-	-	-
London City South -	2	-	-	-	-	-	-	-	-
London City South-east	8	2	-	-	1	-	-	-	-
London City North-east	2	3	-	-	1	-	1	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	12	9	-	-	1	-	-	-	-
St. Leonard Shrdtch. L†	14	2	-	-	-	-	-	1	-
Hoxton New Town *w* -	20	12	-	-	-	-	-	1	-
Hoxton Old Town - -	15	12	-	-	-	-	3	-	-
Haggerstone West *W* -	14	11	-	-	-	-	1	-	-
Haggerstone East - -	13	5	-	-	-	-	1	-	-
Hackney road - -	21	14	-	1	2	-	2	1	-
Green, Bthnl.Grn. *WHL*†	30	21	-	-	1	-	1	1	-
Church, Bethnal Green	16	14	-	-	1	-	2	2	-
Town, Bethnal Green -	19	8	-	1	-	-	4	-	-
Artillery Whitechapel -	1	2	-	-	-	-	-	-	-
Spitalfields - - -	3	5	-	-	-	-	2	-	-
Mile End New Town *W*	16	16	-	-	1	-	2	-	-
Whitechapel North -	5	11	-	-	1	-	1	3	-
Whitechapel Church H	5	8	-	-	-	-	1	-	-
Goodman's Fields - -	11	3	-	-	-	-	-	-	-
Aldgate - - - -	9	5	-	1	1	-	-	1	-
St. Mary St. Geo. East -	13	7	-	-	-	-	1	-	-
St. Paul St. Geo. East -	10	5	-	1	1	-	-	-	-
St. John St. Geo. East *W*	11	8	-	-	-	-	-	2	-
Shadwell *W* - - -	7	3	-	-	1	-	-	-	-
Ratcliff *W* - - -	3	7	-	-	-	-	-	-	-
Limehouse *W* - -	19	16	-	-	2	-	1	2	-
Mile End Old Town, West	33	17	-	-	5	-	1	1	-
Mile End Old T., East *Ww*	36	20	1	1	-	-	4	3	-
Bow *ww*L† - - -	53	32	-	1	4	-	1	-	-
Poplar *W* - - -	25	17	-	-	-	-	1	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	11	5	-	-	-	-	-	-	-
St. Saviour Southwark H	8	5	-	-	-	-	-	-	-
St. Olave Southwark H	1	10	-	-	-	1	-	-	-
St. John Horsleydown *W*	6	3	-	-	1	-	-	-	-
St. James Bermondsey -	48	17	-	2	1	1	1	-	-
St. Mary Magdalen *W*	15	5	1	-	-	-	-	2	-
Leather Market - -	11	14	1	2	-	-	-	-	-
Kent-road - - -	11	8	-	1	-	-	-	-	1
Borough-road *W* - -	12	11	-	-	-	-	1	-	-
London-road L - -	9	7	-	1	-	-	1	-	-
Trinity Newington -	16	12	-	-	1	-	-	-	-
St. Peter Walworth *W*	35	20	1	-	-	-	1	-	-
St. Mary Newington H -	12	5	-	-	-	-	-	-	-
Waterloo-road 1st - -	4	5	-	-	-	-	1	1	-
Waterloo-road 2nd -	10	8	-	-	-	-	2	-	1
Lambeth Church 1st -	18	8	-	-	-	-	-	-	-
Lambeth Church 2nd *W*	35	17	-	-	-	-	1	-	-
Kennington 1st - -	18	13	-	-	1	-	-	-	-
Kennington 2nd - -	17	9	-	1	1	-	-	1	-
Brixton - - - -	23	12	-	-	1	-	-	-	-
Norwood *W* - -	15	1	-	-	-	-	-	-	-
Clapham - - -	17	10	-	-	-	-	1	1	-
Battersea *Ww* - -	35	14	-	1	-	-	2	1	-
Wandsworth L - -	8	5	-	-	1	-	-	-	-
Putney - - - -	4	1	-	-	-	-	-	-	-
Streatham - - -	7	3	-	-	-	-	-	-	-
Dulwich - - -	1	2	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	21	13	-	-	-	-	3	1	-
Peckham - - -	23	17	-	-	-	1	1	-	-
St. George Camberwell -	14	7	-	1	-	-	-	-	-
Rotherhithe *W* - -	27	8	-	-	-	-	1	-	-
St. Paul Deptford - -	29	16	-	-	-	-	1	-	-
St. Nicholas Deptford -	1	3	-	-	-	-	-	-	-
Greenwich West H -	17	12	-	-	-	-	1	-	-
Greenwich East *WH* -	15	11	-	1	-	-	-	-	-
Eltham - - - -	1	2	-	-	-	-	-	-	-
Lee - - - -	7	4	-	-	-	-	-	-	-
Lewisham Village *W* -	4	6	-	-	-	-	-	-	-
Sydenham - - -	11	7	-	-	-	-	-	1	-
Charlton H - - -	3	4	-	-	-	-	-	-	-
Woolwich Dockyard H	13	4	-	-	-	-	-	-	-
Woolwich Arsenal H -	18	9	-	1	1	-	-	-	-
Plumstead, West - -	12	2	-	-	-	-	-	-	-
Plumstead, East - -	13	4	-	-	-	-	1	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the TWENTY-THIRD WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 11 1859	June 9 1860	June 8 1861	June 7 1862	June 6 1863	June 11 1864	June 10 1865	June 9 1866	June 8 1867	June 6 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 12, 1869. ALL AGES.	Deaths of Persons of the Ages Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	61°·7	51°·9	53°·3	58°·6	57°·2	59°·6	63°·6	61°·0	56°·8	58°·6	58°·2	Mean Temp 59°·0						
	ALL CAUSES . . .	938	969	1101	1114	1214	1285	1289	1383	1103	1160	1155·6	1305†	553	659	193	211	191	47
	SPECIFIED CAUSES .	932	963	1093	1101	1208	1251	1280	1379	1101	1146	1145·4	1291	547	652	192	210	190	47
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	212	192	251	271	364	339	268	373	226	293	278·9	299	208	243	26	16	14	..
II.	CONSTITUTIONAL „ .	227	251	240	272	233	270	321	311	252	242	261·9	279	73	105	85	58	24	7
III.	LOCAL „ .	343	377	432	388	423	464	465	510	429	406	423·7	528	183	211	62	123	115	17
IV.	DEVELOPMENTAL „ .	114	116	128	126	137	147	160	143	150	147	136·8	134	70	70	4	4	33	23
V.	VIOLENT DEATHS . .	36	27	42	44	51	31	66	42	44	58	44·1	51	13	23	15	9	4	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	192	177	221	244	340	308	233	347	197	266	252·5	280	195	230	24	14	12	..
	2. ENTHETIC „ . .	8	3	10	11	8	10	11	9	10	8	8·8	8	6	6	..	..	2	..
	3. DIETIC „ . .	10	12	18	11	13	16	18	12	13	13	13·6	8	4	4	2	2	..	..
	4. PARASITIC „ . .	2	..	2	5	3	5	6	5	6	6	4·0	3	3	3	..	..	..	..
II.	1. DIATHETIC „ . .	35	26	46	45	47	37	51	60	35	42	42·4	46	3	4	6	14	15	7
	2. TUBERCULAR „ . .	192	225	194	227	186	233	270	251	217	200	219·5	233	70	101	79	44	9	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	111	118	127	111	128	117	148	146	144	145	129·5	167	74	84	17	26	32	8
	2. „ OF ORGANS OF CIRCULATION .	49	63	43	44	43	71	61	76	50	46	54·6	68	1	9	11	30	15	3
	3. „ OF RESPIRATORY ORGANS . .	111	115	179	145	170	180	149	196	144	131	152·0	200	98	101	14	33	47	5
	4. „ OF DIGESTIVE ORGANS . .	45	52	54	46	62	66	72	59	56	47	55·9	50	8	12	9	20	8	1
	5. „ OF URINARY ORGANS . . .	13	17	21	26	8	11	21	18	17	22	17·4	30	1	4	7	8	11	..
	6. „ OF ORGANS OF GENERATION .	1	2	4	2	4	6	6	5	9	5	4·4	8	..	..	2	4	2	..
	7. „ OF ORGANS OF LOCOMOTION .	6	1	2	6	3	4	6	5	7	7	4·7	3	1	1	1	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	7	9	2	8	5	9	2	5	2	3	5·2	2	..	..	1	1	..	..
IV.	1. DEV. DISEASES OF CHILDREN	34	34	31	36	34	42	42	39	44	42	37·8	33	33	33	..	..	..	..
	2. „ OF ADULTS . .	5	9	7	2	7	5	7	4	8	3	5·7	4	..	..	3	1	..	..
	3. „ OF OLD PEOPLE	37	35	34	44	53	48	44	41	44	39	41·9	46	..	..	..	..	23	23
	4. DISEASES OF NUTRITION .	38	38	56	44	43	52	67	59	54	63	51·4	51	37	37	1	3	10	..
V.	1. ACCIDENT OR NEGLIGENCE .	33	21	34	33	44	29	57	36	35	48	37·0	36	12	21	10	3	2	..
*	3. HOMICIDE	2	2	3	5	2	..	3	3	2	1	2·3	1	1	1	..	..	..	..
	4. SUICIDE	1	4	5	6	5	2	6	3	7	7	4·6	14	..	1	5	6	2	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	4	2	2	7	4	3	6	2	..	1	3·1	3	1	2	..	..	1	..
	CAUSES NOT SPECIFIED . .	2	4	6	6	2	31	3	2	2	13	7·1	11†	5	5	1	1	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

† An average of 4 is added, without distinction of ages. See note *, page 188.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 11 1859	June 9 1860	June 8 1861	June 7 1862	June 6 1863	June 11 1864	June 10 1865	June 9 1866	June 8 1867	June 6 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 12, 1869. ALL AGES. Mean Temp.	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	° 61·7	° 51·9	° 53·3	° 58·6	° 57·2	° 59·6	° 63·6	° 61·0	° 56·8	° 58·6	° 58·2	° 59·0						
I.	ORDER 1.																		
	1. Small-pox	17	15	4	5	56	5	10	34	28	16	19·0	8	2	6	2	..	..	..
	2. Measles	20	51	17	27	37	82	18	71	17	60	40·0	28	24	28	..	..	..	..
	3. Scarlet Fever (Scarlatina)	43	22	31	37	72	47	31	43	18	41	38·5	54	44	53	1	..	..	..
	4. Diphtheria	11	9	9	9	9	11	13	5	11	12	9·9	3	2	3	..	..	..	..
	5. Quinsy	3	..	2	3	..	..	..	..	1	..	·9	1	..	1	..	..	..	..
	6. Croup	4	7	20	21	15	15	11	14	16	8	13·1	13	11	13	..	..	..	..
	7. Whooping-cough	37	26	72	29	48	50	46	75	35	47	46·5	96	93	96	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	25	20	32	79	46	51	38	53	38	34	41·6	12 18 9	2 3 2	5 7 4	1 5 1	5 4 2	1 2 2	.. .. ..
	9. Erysipelas	2	4	3	..	16	9	3	8	3	4	5·2	3	2	2	..	1	..	..
	10. Puerperal Fever (Metria)	6	1	2	3	5	6	3	7	2	5	4·0	4	..	..	4	..	..	..
	11. Carbuncle	2	2	1	..	..	1	1	..	..	3	1·0	1	..	..	..	..	1	..
	12. Influenza	..	..	1	..	..	..	..	..	..	..	·1	1	..	..	..	..	1	..
	13. Dysentery	2	2	1	2	1	4	3	4	1	2	2·2	5	..	..	2	1	2	..
	14. Diarrhœa	6	11	14	23	24	19	44	22	19	27	20·9	11	10	10	..	..	1	..
	15. Simple Cholera	4	..	3	1	1	1	1	3	1	1	1·6	..	..	..	..	..	..	..
	16. Ague	1	..	1	..	..	..	1	..	1	..	·4	1	..	1	..	..	..	..
	17. Remittent fever	2	1	2	1	6	2	2	..	..	1	1·7	1	..	..	..	..	1	..
	18. Rheumatism	7	6	6	4	4	5	8	7	6	5	5·8	11	..	1	8	1	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	7	2	8	8	6	10	10	9	9	7	7·6	6	6	6	..	..	..	..
	2. Stricture of Urethra	1	1	2	3	2	..	..	..	1	1	1·1	2	..	..	..	..	2	..
	3. Hydrophobia	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	..	1	..	1	..	1	..	·3	..	..	..	..	..	..	..
	2. Want of Breast-milk	4	6	5	7	8	8	9	7	7	6	6·7	3	3	3	..	..	..	..
	3. Purpura and Scurvy	..	..	6	2	2	..	1	2	2	2	1·7	3	1	1	1	1	..	..
	4. Alcoholism (*a* Del. Tremens)	4	3	3	1	1	3	4	2	3	2	2 6	1	..	..	1	..	..	..
	4. Alcoholism (*b* Intemperance)	2	3	4	1	1	5	3	1	..	3	2·3	1	..	..	..	1	..	..
	ORDER 4.																		
	1. Thrush	1	..	2	5	2	5	5	5	5	6	3·6	3	3	3	..	..	..	..
	2. Worms, &c.	1	..	..	..	1	..	1	..	1	..	·4	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	1	1	1	1	1	1	2	1	4	1·5	1	..	..	..	1	..	..
	2. Dropsy	13	6	9	5	16	11	16	20	7	6	10·9	14	2	2	3	2	3	4
	3. Cancer	17	17	32	34	29	21	29	30	24	29	26·2	26	..	1	3	11	10	1
	4. Cancrum Oris (Noma)	2	..	..	..	..	..	..	..	1	..	·3	1	1	1	..	..	..	..
	5. Mortification	1	2	4	5	1	4	5	8	2	3	3·5	4	..	..	..	..	2	2
	ORDER 2.																		
	1. Scrofula	10	9	7	7	14	17	14	10	6	4	9·8	11	8	10	..	1	..	..
	2. Tabes Mesenterica	11	23	17	18	12	15	27	27	15	11	17·6	21	19	21	..	..	..	..
	3. Phthisis	147	154	135	169	134	171	189	180	164	153	159·6	166	11	35	79	43	9	..
	4. Hydrocephalus	24	39	35	33	26	30	40	34	32	32	32·5	35	32	35	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	6	13	5	12	6	6	20	13	13	20	11·4	19	11	15	3	1	..	..
	2. Apoplexy	29	30	27	27	31	31	32	35	30	22	29·4	33	3	5	5	7	14	2
	3. Paralysis	17	17	21	25	19	20	32	28	33	23	23·5	30	2	2	2	8	13	5
	4. Insanity	1	2	4	..	1	..	3	5	2	3	2·1	2	..	..	..	1	1	..
	5. Chorea	1	..	..	..	1	..	..	..	..	..	·2	..	..	..	..	..	..	..
	6. Epilepsy	9	7	6	4	6	4	6	4	5	9	6·0	6	1	1	3	1	1	..
	7. Convulsions	34	37	45	31	41	38	39	37	47	50	39·9	57	55	57	..	..	..	..
	8. *Brain Disease, &c.*	14	12	19	12	23	18	16	24	14	18	17·0	20	2	4	4	8	3	1
	ORDER 2.																		
	1. Pericarditis	1	1	1	2	3	5	1	2	1	1	1·8	1	..	1	..	..	..	..
	2. Aneurism	2	1	1	3	1	2	3	2	2	3	2·0	2	..	..	..	2	..	..
	3. *Heart Disease, &c.*	46	61	41	39	39	64	57	72	47	42	50·8	65	1	8	11	28	15	3
	ORDER 3.																		
	1. Laryngitis	2	1	11	5	9	9	3	7	2	3	5·2	8	6	6	1	1	..	..
	2. Bronchitis	53	57	91	64	80	87	73	108	75	58	74·6	97	41	41	1	20	32	3
	3. Pleurisy	3	1	3	5	2	3	6	5	2	2	3·2	4	1	1	1	2	..	..
	4. Pneumonia	45	44	57	48	60	56	49	60	48	55	52·2	74	45	48	10	7	8	1
	5. Asthma	5	4	6	6	5	9	5	3	5	6	5·4	4	..	..	1	..	3	..
	6. *Lung Disease, &c.*	3	8	11	17	14	16	13	13	12	7	11·4	13	5	5	..	3	4	1
	ORDER 4.																		
	1. Gastritis	2	2	1	2	2	2	1	1	..	3	1·6	2	..	1	..	1	..	..
	2. Enteritis	3	6	8	5	5	9	6	9	8	2	6·1	8	5	7	..	1	..	..
	3. Peritonitis	8	8	5	4	10	4	7	5	4	8	6·3	4	..	1	3	..	..	..
	4. Ascites	..	2	1	3	3	4	4	5	4	..	2·6	2	..	..	2	..	..	..
	5. Ulceration of Intestines	2	2	4	3	4	4	3	2	..	4	2·8	1	..	..	..	1	..	..
	6. Hernia	..	5	2	3	1	4	3	2	..	2	2·2	1	..	..	1	..	..	..
	7. Ileus	2	1	6	2	1	1	5	1	5	3	2·7	2	..	..	..	1	1	..
	8. Intussusception	2	1	..	..	..	..	1	..	1	1	·6	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

the TWENTY-THIRD WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 11 1859	June 9 1860	June 8 1861	June 7 1862	June 6 1863	June 11 1864	June 10 1865	June 9 1866	June 8 1867	June 6 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 12, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	61°·7	51°·9	53°·3	58°·6	57°·2	59°·6	63°·6	61°·0	56°·8	58°·6	58°·2	Mean Temp. 59°·0						
	9. Stricture of Intestines	..	1	2	1	..	1	..	1	..	..	·6	..	..	..	..	..	..	..
	10. Fistula	..	..	..	1	1	1	1	..	..	..	·4	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	7	7	5	4	8	12	8	7	6	2	6·6	4	..	..	..	2	2	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	13. Hepatitis	5	..	1	3	7	7	6	6	3	4	4·2	2	..	..	..	1	1	..
	14. Jaundice	3	2	6	2	5	2	5	3	3	4	3·5	5	3	3	..	2	..	..
	15. *Liver Disease, &c.*	10	15	12	12	15	15	21	17	22	13	15·2	19	..	..	3	11	4	1
	16. *Spleen Disease, &c.*	1	..	1	1	..	..	1	..	..	..	·4	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	2	1	..	1	3	..	2	1	1·0	2	..	1	1	..	..	..
	2. Ischuria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	5	5	5	10	2	4	7	6	10	13	6·7	14	1	2	3	4	5	..
	4. Diabetes	..	1	3	3	1	2	4	1	2	1	1·8	2	..	..	1	1	..	..
	5. Calculus (Stone)	..	2	1	1	..	1	1	1	..	2	·9	2	..	..	..	..	2	..
	6. Cystitis	..	..	2	2	1	..	1	3	..	1	1·0	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	8	9	8	9	4	3	5	7	3	4	6·0	9	..	1	2	3	3	..
	ORDER 6.																		
	1. Ovarian Dropsy	..	1	1	1	1	1	2	..	2	..	·9	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	1	1	3	1	3	5	4	5	7	5	3·5	8	..	..	2	4	2	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	1	..	..	..	1	..	..	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	6	..	2	6	3	3	6	5	7	7	4·5	3	1	1	1	1	..	..
	ORDER 8.																		
	1. Phlegmon	3	5	1	2	4	3	..	3	1	2	2·4	2	..	..	1	1	..	..
	2. Ulcer	2	3	..	5	1	6	..	..	..	..	1·7	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	2	1	1	1	..	..	2	2	1	1	1·1	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	13	19	17	23	15	22	25	16	21	26	19·7	14	14	14	..	..	..	..
	2. Cyanosis	4	4	1	2	1	2	2	1	1	3	2·1	1	1	1	..	..	..	..
	3. Spina Bifida	..	1	1	..	1	1	..	1	..	1	·6	1	1	1	..	..	..	..
	4. Other Malformations	..	2	..	2	..	1	1	2	3	1	1·2	..	..	..	..	..	..	..
	5. Teething	17	8	12	9	17	16	14	19	19	11	14·2	17	17	17	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	5	9	7	2	7	5	7	4	8	3	5·7	3	..	..	2	1	..	..
	ORDER 3.																		
	1. Old Age	37	35	34	44	53	48	44	41	44	39	41·9	46	..	..	..	..	23	23
	ORDER 4.																		
	1. Atrophy and Debility	38	38	56	44	43	52	67	59	54	63	51·4	51	37	37	1	3	10	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	15	8	15	17	18	8	24	19	12	25	16·1	14	2	5	6	1	2	..
	2. Wounds	..	2	1	..	2	..	2	2	..	..	·9	..	..	..	..	..	..	..
	3. Burns and Scalds	4	3	6	4	6	2	2	5	8	3	4·3	5	3	5	..	..	..	..
	4. Poison	1	..	2	3	..	2	..	2	1	..	1·1	1	1	1	..	..	..	..
	5. Drowning	11	4	3	3	9	6	20	5	6	12	7·9	11	1	5	4	2	..	..
	6. Suffocation	1	3	6	6	9	8	6	2	5	5	5·1	4	4	4	..	..	..	..
	7. Otherwise	1	1	1	..	..	3	3	1	3	3	1·6	1	1	1	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	2	2	3	5	2	..	3	3	2	1	2·3	1	1	1	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	1	..	..	1	..	..	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	..	2	3	1	..	4	2	..	1	1·3	3	..	..	1	1	1	..
	2. Poison	..	1	1	1	..	1	..	..	2	1	·7	..	..	..	..	..	..	..
	3. Drowning	..	1	..	1	..	1	..	..	1	2	·6	6	..	1	2	2	1	..
	4. Hanging	..	2	2	..	2	..	1	..	2	3	1·2	3	..	..	1	2	..	..
	5. Otherwise	1	..	..	1	1	..	1	..	2	..	·6	2	..	..	1	1	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	4	2	2	7	4	3	6	2	..	1	3·1	3	1	2	..	..	1	..
	Causes not specified or ill-defined	2	4	6	6	2	31	3	2	2	13	7·1	11†	5	5	1	1	..	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when ne result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture f the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 4 is added, without distinction of ages. See note *, page 188.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 12th June 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
June.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	6	..	30·116	83·2	47·0	36·2	64·6	58·6	141·6	44·0	57·4	54·4	6·0	20·7	0·0	+ 7·6	81	SW.	SSW & SSE	0·7	0·0	0·0	133	0·00	1
Monday . .	7	..	30·008	87·5	56·4	31·1	71·8	61·8	143·3	53·5	58·5	55·4	10·0	22·2	0·8	+14·8	71	Calm & SW.	SW. & WSW.	2·6	0·0	0·2	222	0·00	3
Tuesday .	8	..	30·039	74·1	49·5	24·6	60·5	51·8	132·3	43·0	59·4	56·4	8·7	21·8	0·2	+ 3·2	73	NW, WSW, & NNW.	N., NE., & E.	1·2	0·0	0·1	235	0·00	1
Wednesday	9	..	29·916	71·1	45·8	25·3	57·7	46·3	131·1	39·5	59·9	56·9	11·4	21·1	3·4	0·0	66	Calm & SW.	NW & NNW	1·5	0·0	0·2	222	0·00	2
Thursday.	10	New	29·990	61·0	45·3	15·7	51·9	41·8	124·5	38·5	58·9	55·9	10·1	17·1	3·2	— 6·1	69	NNE & N.	N & ENE.	1·1	0·0	0·1	222	0·00	4
Friday . .	11	Greatest Dec. N.	29·951	63·8	40·7	23·1	51·6	43·4	125·6	35·1	..	..	8·2	15·5	2·3	— 6·7	74	NE.	NE. & SE.	0·7	0·0	0·0	137	0·00	3
Saturday.	12	..	29·683	66·8	44·1	22·7	54·8	46·9	128·3	41·0	..	..	7·9	15·7	1·1	— 3·8	75	S. & SW.	SSW & SSE	0·7	0·0	0·0	172	0·00	6
Means . .		..	29·962	72·5	47·0	25·5	59·0	50·1	132·4	42·1	(5 days) 58·8	(5 days) 55·8	8·9	19·2	1·6	+ 1·3	73	Variable.		..	..	..	Sum 1343	Sum 0·00	2·9
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. June.		Electricity.	Sky and Atmosphere.
Sunday .	6	No electricity was shown.	A very fine day; a little cloud prevailed in the morning and afternoon.
Monday .	7		A very fine day; light clouds prevailed.
Tuesday .	8	Weak negative was shown in the morning, and weak positive about noon.	Very fine; light clouds were prevalent.
Wednesday	9	Weak positive was shown in the afternoon.	Light clouds were prevalent; a fine day.
Thursday .	10	Weak positive was shown at night.	Generally cloudy. A fine day.
Friday .	11	No electricity was shown.	A fine day; light clouds prevailed.
Saturday .	12	The insulating lamp was not burning.	A fine day; light clouds prevailed till evening, afterwards generally overcast. A fine solar halo was seen from about 5h. 30m. P.M. till 6h. 40m. P.M.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 30·04 in. at the beginning of the week to 30·13 in. by 9h. A.M. on the 6th; decreased to 29·95 in. by 9h. P.M. on the 7th; increased to 30·09 in. by 9h. P.M. on the 8th; decreased to 29·89 in. by 9h. P.M. on the 9th; increased to 30·01 in. by 9h. P.M. on the 10th; and decreased to 29·58 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 24. 1869. Vol. XXX.] Week ending Saturday, June 19. [Price 1*d.*

General Register Office, Somerset House,
21st June 1869.

In the week that ended on Saturday, 19th June, 3966 births, and 2860 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 23 per 1000 persons living.

The annual rate of mortality last week was 20 per 1000 in London, 40 in Edinburgh, and 20 in Dublin; 18 in Bristol, 18 in Birmingham, 25 in Liverpool, 25 in Manchester, 24 in Salford, 23 in Sheffield, 24 in Bradford, 21 in Leeds, 28 in Hull, 25 in Newcastle-upon-Tyne, and 34 in Glasgow. The rate in Vienna was 32 per 1000 during the week ending the 12th inst., and in Berlin 37 per 1000 during the seven days ending the 17th instant.

In London the births of 949 boys and 835 girls, in all 1784 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2125.

The deaths registered in London during the week were 1236. It was the twenty-fourth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1272. The deaths in the present return are less by 36 than the estimated number.

The deaths from zymotic diseases were 290, the corrected average number being 318. Three deaths from small-pox, 28 from measles, 60 from scarlet fever, 6 from diphtheria, 93 from whooping-cough 10 from typhus fever, 19 from enteric fever, 9 from simple continued fever, and 17 from diarrhœa were registered.

The widow of a gentleman, aged 31 years, died on 13th June at Elgin-crescent, Kensington, from "bilious cholera," 4 days.

The daughter of a stonemason, aged 7 months, died on 13th June at 19 Ashford-street, Hoxton Old Town, from "choleraic diarrhœa."

The son of a labourer, aged one year, died on 12th June at 2 Eagle-place, Mile-end New Town, from "English cholera."

The wife of a carman, aged 35 years, died on 17th June at 6 Queen-street, St. Nicholas, Deptford, from simple "cholera."

One hundred and seventy-one deaths occurred from phthisis, 99 from bronchitis, and 59 from pneumonia. The corrected average number of deaths from phthisis is 168, from bronchitis 77, and from pneumonia 61.

The deaths of 3 persons from delirium tremens, of 6 infants from syphilis, of 3 children and 2 adults from burns or scalds, of 8 persons from drowning, of 12 infants and one adult from suffocation, and of 4 persons who committed suicide were recorded.

The son of a sailor, aged 4 years, died on 6th June in St. Giles's Workhouse of "congestion of the brain from the heat of the sun." *Post mort.* (*Inquest.*) On 6th June the mean temperature of the air at the Royal Observatory, Greenwich, was 64·6°, and the highest reading of the thermometer in the sun was 141·6°, as shown by a self-registering thermometer with blackened bulb in vacuo, placed on the grass.

A labourer, aged 41 years, died on 14th June in the Workhouse, Mount-street, May-fair, from "pneumonia, destitution."

A charwoman, aged 65 years, died on 13th June in the Workhouse, Battersea, from "starvation, gangrene."

The following deaths of 3 persons who were killed by horses or vehicles in the streets were recorded:—

The son of a shoemaker, aged 4 years, "fractured skull, run over by a waggon." Died on 12th June in High-street, Stoke Newington. (*Inquest.*)

The son of picture frame maker, aged 8 years, "fractured skull and laceration of brain, run over by a cart." Died instantly on 13th June in Gilbert-street, Strand. *Post mort.* (*Inquest.*)

A carpenter, aged 82 years, "injury to the arm by falling in the road, the wheel of a van passing against it." Died on 6th June at Belmont-house, Wandsworth-road. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·720 in. The barometrical reading increased from 29·24 in. on Monday, 14th June, to 30·14 in. on Thursday, 17th June. The mean temperature of the air in the week was 51·3°, which is 7·7° below the average of the same week in 50 years (as determined by Mr. Glaisher). On Monday, 14th June, the mean temperature was 8·2°, on Wednesday, 16th June, 10·2°, on Thursday, 17th June, 11·6°, and on Friday, 18th June, 8·4° below the average. The highest day temperature was 73·0° on Sunday, 13th June. The lowest night temperature was 39·4° on Thursday, 17th June. The entire range of temperature in the week was, therefore, 33·6°. The mean of the highest temperatures of the water of the Thames was 56·9°; that of the lowest was 55·4°. The difference between the mean dew-point temperature and air temperature was 6·0°. The mean degree of humidity of the air was 80, complete saturation being represented by 100. Rain fell to the amount of 0·84 in., of which 0·55 in. fell on Monday, 14th June. On Tuesday, 15th June, hail fell, accompanied by lightning and thunder. The general direction of the wind was variable. According to a return furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 219,218 cubic metres, equivalent to about as many tons by weight.

In the week which ended 12th June, the daily average quantity of sewage discharged into the Thames at Barking was 136,553 cubic metres.

LONDON.—Births and Deaths Registered last Week, and in the Twenty-fourth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1693	1752	1943	1782	1995	1776	2013	1932	2162	2273	1932·1	1784
Males . .	852	879	1017	900	995	912	1028	1000	1121	1175	987·9	949
Females .	841	873	926	882	1000	864	985	932	1041	1098	944·2	835
Total Deaths	913	1064	1121	1119	1186	1296	1204	1370	1094	1195	1156·2	1236
Males . .	479	560	590	586	626	713	669	760	596	645	618·4	648
Females .	434	504	531	533	560	583	535	610	498	550	533·8	588

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Mar. 27.	Apr. 3.	Apr. 10.	Apr. 17.	Apr. 24.	May 1.	May 8.	May 15.	May 22.	May 29.	June 5.	June 12.	June 19.
Deaths - - - -	1590	1670	1550	1595	1377	1288	1421	1279	1281	1276	1355	1305	1236
Deaths under 5 years of age -	603	678	601	662	614	563	616	536	528	517	532	553	549
Deaths under 20 years of age	703	786	698	772	696	656	721	631	634	613	637	661	652
Deaths 20—40 - - -	228	211	215	235	199	183	209	208	184	184	196	194	170
Deaths 40—60 - - -	289	282	260	254	211	211	236	210	231	202	258	212	196
Deaths at 60 years of age and upwards - - -	370	391	377	334	271	238	255	230	232	277	264	238	218
Deaths from Small-pox -	2	4	4	2	4	8	3	4	3	8	3	8	3
„ „ Measles - -	30	31	34	28	18	20	21	24	22	23	24	28	28
„ „ Scarlet Fever -	43	44	39	41	38	42	53	56	45	45	62	54	60
„ „ Diphtheria -	4	6	5	3	6	4	7	6	5	6	3	3	6
„ „ Whooping-cough	71	73	85	103	97	81	91	87	97	92	89	96	93
„ „ Typhus fever -	14	20	17	24	24	19	9	18	7	16	15	12	10
„ „ Enteric fever -	21	21	19	14	19	21	21	16	12	19	15	18	19
„ „ SimpleContfever	22	16	12	17	10	7	13	8	4	5	6	9	9
„ „ Diarrhœa - -	16	19	12	21	21	10	19	10	15	5	22	11	17
„ „ Phthisis - -	197	179	195	192	184	156	216	169	194	171	200	166	171
„ „ Bronchitis - -	262	269	249	191	147	111	131	117	101	104	115	97	99
„ „ Pneumonia -	103	102	104	95	86	89	85	69	78	75	62	74	59
„ „ Heart Disease -	80	82	65	67	50	59	54	65	75	60	61	65	62
Mean Temperature of the Air	38·7°	39·0°	47·1°	55·2°	50·3°	51·9°	50·5°	51·2°	50·0°	51·7°	53·3°	59·0°	51·3°
Mean Temperature of the Water of the Thames -	41·0	40·7	43·8	52·7	52·9	54·7	54·4	54·1	53·3	53·7	53·5	57·3	56·1
Humidity of the Air - -	84	83	88	81	83	74	88	79	86	79	82	73	80
Rain-fall in inches - -	0·27	0·24	0·17	0·46	0·25	0·00	1·28	0·35	0·68	1·12	0·10	0·00	0·84

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 19th day of June 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 19th June.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 19th June.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**3966**	**3244**	**2860**	**73·0**	**33·2**	**50·4**	**0·93**	**94**	**22·78**	**0·67**	**10·22**	**236**
London (Metropolis)	3,170,754	40·7	2070	1784	1462	1236	73·0	39·4	51·3	0·84	85	22·78	4·11	10·73	213
Bristol (City)	169,423	36·1	109	99	76	58 *	66·2	43·0	52·5	1·05	106	19·00	6·11	11·39	267
Birmingham (Borough)	360,846	46·1	283	222	175	124	65·2	43·3	50·7	1·02	103	18·44	6·28	10·39	259
Liverpool (Borough)	509,052	99·7	345	316	295	248	62·0	44·4	50·2	1·03	104	18·33	6·89	10·11	262
Manchester (City)	370,892	82·7	277	247	210	180 *	70·0	42·0	51·0	0·95	96	21·11	5·56	10·56	241
Salford (Borough)	119,350	23·1	89	75	60	55	65·4	40·9	49·3	1·02	103	18·55	4·94	9·61	259
Sheffield (Borough)	239,752	10·5	196	182	126	107	67·0	39·5	49·3	0·83	84	19·44	4·17	9·61	211
Bradford (Borough)	138,522	21·0	105	66	71	63	66·8	41·9	50·7	0·57	58	19·34	5·50	10·39	145
Leeds (Borough)	253,110	11·7	189	149	129	101	69·0	43·0	51·6	0·67	68	20·56	6·11	10·90	170
Hull (Borough)	126,682	35·6	83	86	59	67	68·0	35·0	48·7	0·99	100	20·00	1·67	9·28	251
Newcastle-on-Tyne (Borough)	130,503	24·5	90	91	69	62	61·0	41·0	48·4	1·33	134	16·11	5·00	9·11	338
Edinburgh (City)	178,002	40·2	112	135	86	136	64·7	40·0	50·1	1·30	131	18·17	4·44	10·06	330
Glasgow (City)	458,937	90·6	374	361	268	299	64·3	39·6	50·4	1·13	114	17·95	4·23	10·22	287
Dublin (City and some suburbs)	320,762	32·9	219	153	158	124	63·4	33·2	52·0	0·31	31	17·44	0·67	11·11	79
	(1863)			Week ending 12th June 1869.		Week ending 12th June 1869.	Week ending 12th June 1869.					Week ending 12th June 1869.			
Vienna (City)	560,000	..	..	..	..	348	..	..	63·7	..	..	..	..	17·62	..
	(1867)			Week ending 17th June 1869.		Week ending 17th June 1869.	Week ending 17th June 1869.					Week ending 17th June 1869.			
Berlin (City)	702,437	..	..	558	..	512	..	..	60·8	..	..	..	..	16·00	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 19th June 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	1784	1236	3	28	60	6	93	38	17
WEST DISTRICTS -	281	184	-	2	4	1	9	6	5
NORTH DISTRICTS -	409	262	1	4	12	-	25	11	2
CENTRAL DISTRICTS -	205	156	-	4	8	1	10	3	-
EAST DISTRICTS -	367	285	1	6	19	1	27	10	5
SOUTH DISTRICTS -	522	349	1	12	17	3	22	8	5
WEST DISTRICTS.									
St. Mary Paddington *WH*	32	20	-	-	1	-	1	-	2
St. John Paddington H	14	13	-	-	-	-	-	-	-
Kensington Town *W* -	55	21	-	-	-	-	1	-	-
Brompton H - -	12	6	-	-	-	-	-	-	-
St. Peter Hammersmith	4	1	-	-	-	-	-	-	-
St. Paul Hammersmith	15	12	-	-	-	-	-	2	-
Fulham *W* - - -	16	9	-	-	-	-	-	1	1
Chelsea South H - -	11	8	-	-	-	-	-	-	-
Chelsea North-west H *Ww*	11	8	-	-	-	-	1	-	1
Chelsea North-east -	12	3	-	1	-	-	-	-	-
Hanover Square - -	12	7	-	-	-	-	-	-	-
May Fair *W* - -	8	8	-	-	1	-	-	-	-
Belgrave H - - -	23	16	-	-	-	-	1	2	-
St. John Westminster -	26	13	-	1	-	-	1	-	1
St. Margaret West. *WH*	7	20	-	-	1	1	1	1	-
St. James's Square -	1	2	-	-	-	-	-	-	-
Golden Square *W* -	9	7	-	-	1	-	2	-	-
Berwick-street - -	4	5	-	-	-	-	1	-	-
St. Anne Soho - -	9	5	-	-	-	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	12	13	-	-	-	-	1	-	-
Cavendish Square - -	4	2	-	-	1	-	-	-	-
Rectory Marylebone *W*	19	13	-	-	-	-	1	-	-
St. Mary Marylebone -	14	4	-	-	-	-	-	1	-
Christchurch Marylebone	13	6	-	1	-	-	-	-	-
St. John Marylebone -	14	11	-	-	-	-	1	-	-
Hampstead *W* - -	17	7	-	-	-	-	-	-	-
Regent's Park Pancras -	21	12	-	-	1	-	-	-	-
Tottenham-court *w*H -	21	10	-	1	-	-	-	-	-
Gray's Inn Lane H -	10	8	-	-	-	-	-	-	-
Somers Town - -	23	18	-	-	-	-	3	1	-
Camden Town *W* -	10	15	-	-	-	-	-	-	-
Kentish Town - -	32	30	-	-	5	-	5	2	-
Islington West* *WHH*	72	40	1	-	-	-	7	5	-
Islington East *Ww* -	70	32	-	-	3	-	3	1	2
Stoke Newington - -	6	5	-	-	-	-	-	-	-
Stamford Hill - -	4	4	-	-	-	-	1	-	-
West Hackney - -	12	9	-	-	-	-	2	1	-
Hackney *WHw* - -	25	14	-	2	1	-	-	-	-
South Hackney L -	10	9	-	-	1	-	1	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	7	7	-	1	2	-	-	-	-
St. Giles South *W* -	17	16	-	-	-	-	1	-	-
St. Giles North - -	9	12	-	-	1	-	1	-	-
Long Acre - - -	7	4	-	-	-	-	1	-	-
Charing Cross *WH* -	4	10	-	-	1	-	-	1	-
St. Mary-le-Strand -	5	4	-	1	-	-	-	-	-
St. Clement Danes H -	6	7	-	1	-	1	-	-	-
St. George-the-Martyr H	6	5	-	-	-	-	-	-	-
St. Andrew, East Holb. *W*	6	6	-	-	-	-	-	-	-
Saffron Hill - - -	8	1	-	-	-	-	-	-	-
St. James Clerkenwell *W*	9	8	-	-	-	-	3	-	-
Amwell Clerkenwell -	16	-	-	-	-	-	-	-	-
Pentonville - - -	9	6	-	-	-	-	-	-	-
Goswell-street - -	16	12	-	-	-	-	1	-	-
Old-street - - -	11	4	-	-	-	-	-	-	-
City-road HL - -	21	10	-	-	-	-	-	-	-
Whitecross-street - -	9	7	-	-	-	-	2	-	-
Finsbury - - -	8	3	-	1	-	-	-	-	-
St. Botolph East London	7	7	-	-	1	-	1	-	-
Cripplegate - - -	6	2	-	-	-	-	-	1	-
West London North *WH*	-	14	-	-	-	-	-	1	-
West London South -	6	1	-	-	-	-	-	-	-
London City South-west	1	-	-	-	-	-	-	-	-
London City North-west	3	1	-	-	-	-	-	-	-
London City South -	2	3	-	-	2	-	-	-	-
London City South-east	2	2	-	-	-	-	-	-	-
London City North-east	4	4	-	-	1	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	8	4	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	4	9	-	-	-	-	-	-	2
Hoxton New Town *w* -	21	18	-	-	-	1	2	1	-
Hoxton Old Town - -	15	12	-	-	2	-	-	1	-
Haggerstone West *W* -	11	16	-	-	3	-	1	1	1
Haggerstone East - -	9	5	-	-	-	-	1	1	-
Hackney-road - -	15	19	-	-	-	-	3	-	-
Green, Bthnl. Grn. *WH*L†	29	15	-	1	-	-	-	1	-
Church, Bethnal Green -	16	14	-	-	2	-	1	-	1
Town, Bethnal Green -	13	8	-	-	-	-	2	-	-
Artillery Whitechapel -	3	1	-	-	1	-	-	-	-
Spitalfields - - -	11	8	-	1	-	-	2	-	-
Mile End New Town *W*	12	12	-	1	-	-	-	1	1
Whitechapel North -	7	7	-	1	-	-	1	1	-
Whitechapel Church H	3	10	-	-	-	-	-	1	-
Goodman's Fields - -	3	2	-	-	-	-	-	1	-
Aldgate - - - -	4	4	-	-	-	-	1	-	-
St. Mary St. Geo. East -	12	8	-	-	1	-	1	-	-
St. Paul St. Geo. East -	4	5	-	-	-	-	1	-	-
St. John St. Geo. East *W*	11	4	-	-	-	-	-	-	-
Shadwell *W* - - -	2	8	-	-	-	-	-	-	-
Ratcliff *W* - - -	8	8	-	1	-	-	3	-	-
Limehouse *W* - -	14	14	-	-	4	-	1	-	-
Mile End Old Town, West	29	14	-	1	1	-	1	-	-
Mile End Old T., East *Ww*	26	17	1	-	2	-	1	-	-
Bow *ww*L† - - -	41	25	-	-	2	-	4	1	-
Poplar *W* - - -	36	18	-	-	1	-	1	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	8	8	-	-	-	-	-	-	-
St. Saviour Southwark H	6	7	-	1	-	-	1	-	-
St. Olave Southwark H	2	11	-	-	-	-	-	-	-
St. John Horsleydown *W*	3	6	-	-	1	-	-	1	-
St. James Bermondsey -	34	20	-	1	-	-	-	-	-
St. Mary Magdalen *W* -	7	5	-	-	-	-	1	-	-
Leather Market - -	11	8	-	1	2	-	-	1	-
Kent-road - -	10	5	-	-	-	-	-	1	1
Borough-road *W* - -	7	8	-	-	1	-	-	-	-
London-road L - -	7	9	-	2	-	-	1	-	-
Trinity Newington -	8	4	-	-	-	-	-	-	-
St. Peter Walworth *W*	33	17	1	3	4	-	-	-	-
St. Mary Newington H	11	9	-	-	-	1	-	-	-
Waterloo-road 1st -	11	8	-	-	-	-	1	-	-
Waterloo-road 2nd -	11	3	-	-	-	-	-	1	-
Lambeth Church 1st -	10	5	-	-	-	-	1	-	-
Lambeth Church 2nd *W*	18	29	-	1	-	-	1	-	1
Kennington 1st - -	24	18	-	-	-	-	-	-	1
Kennington 2nd - -	10	3	-	-	-	-	-	-	-
Brixton - - - -	18	10	-	-	-	-	1	-	2
Norwood *W* - - -	3	4	-	-	2	-	-	-	-
Clapham - - -	7	16	-	-	-	-	3	1	-
Battersea *Ww* - -	41	19	-	-	2	1	-	-	-
Wandsworth L - -	9	3	-	-	-	-	-	-	-
Putney - - - -	4	-	-	-	-	-	-	-	-
Streatham - - -	6	5	-	-	-	-	-	-	-
Dulwich - - -	-	1	-	-	-	-	-	-	-
Camberwell *WL*†L† -	20	8	-	-	-	-	-	-	-
Peckham - - -	18	6	-	-	-	-	-	-	-
St. George Camberwell -	22	17	-	-	1	-	3	1	-
Rotherhithe *W* - -	14	6	-	1	1	-	1	-	-
St. Paul Deptford - -	23	12	-	-	-	-	2	1	-
St. Nicholas Deptford -	4	1	-	-	-	-	-	-	-
Greenwich West H -	13	10	-	-	3	-	2	-	-
Greenwich East *WH* -	15	9	-	1	-	-	-	-	-
Eltham - - - -	2	2	-	-	-	-	-	-	-
Lee - - - -	5	4	-	-	-	-	-	-	-
Lewisham Village *W* -	5	6	-	1	-	-	-	-	-
Sydenham - - -	8	6	-	-	-	1	1	-	-
Charlton H - - -	5	5	-	-	-	-	-	-	-
Woolwich Dockyard H	14	6	-	-	-	-	-	1	-
Woolwich Arsenal H -	14	9	-	-	-	-	1	-	-
Plumstead, West - -	9	4	-	-	-	-	2	-	-
Plumstead, East - -	12	2	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - „ „ Tottenham-court sub-district.
West London - - „ „ Islington East.
East London - - „ „ Hackney sub-district.
St. Luke Middlesex - „ „ Hoxton New Town sub-district.
London City - - „ „ Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - „ „ Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the TWENTY-FOURTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 18 1859	June 16 1860	June 15 1861	June 14 1862	June 13 1863	June 18 1864	June 17 1865	June 16 1866	June 15 1867	June 13 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 19, 1869. Deaths of Persons of the Ages ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	59°·7	53°·9	60°·5	55°·3	54°·7	57°·8	57°·8	58°·5	59°·9	60°·3	57°·8	Mean Temp. 51°·3						
	ALL CAUSES . . .	913	1064	1121	1119	1186	1296	1204	1370	1094	1195	1156·2	1236	549	652	170	196	191	27
	SPECIFIED CAUSES .	891	1056	1116	1109	1177	1272	1183	1364	1042	1177	1138·7	1229	543	646	169	196	191	27
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	232	240	261	298	350	342	312	359	210	287	289·1	290	206	248	13	17	11	1
II.	CONSTITUTIONAL „ .	220	259	272	249	239	269	274	254	209	286	253·1	283	68	94	88	67	34	..
II.	LOCAL „ .	300	395	416	376	434	452	390	530	419	445	415·7	480	169	197	55	103	114	11
IV.	DEVELOPMENTAL „ .	96	116	129	149	124	153	156	160	150	127	136·0	125	80	80	3	1	30	11
V.	VIOLENT DEATHS . .	43	46	38	37	30	56	51	61	54	32	44·8	51	20	27	10	8	2	4
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	204	215	234	277	325	320	283	324	189	268	263·9	272	194	235	11	15	10	1
	2. ENTHETIC „ . .	6	8	6	4	7	10	8	13	5	8	7·5	7	6	6	..	1	..	..
	3. DIETIC „ . .	18	16	19	13	13	9	15	21	11	10	14·5	9	5	5	2	1	1	..
	4. PARASITIC „ . .	4	1	2	4	5	3	6	1	5	1	3·2	2	1	2	..	..	..	..
II.	1. DIATHETIC „ . .	34	36	39	44	44	42	50	36	46	52	42·3	47	1	1	6	20	20	..
	2. TUBERCULAR „ . .	186	223	233	205	195	227	224	218	163	234	210·8	236	67	93	82	47	14	..
II.	1. DISEASES OF NERVOUS SYSTEM . .	104	118	134	118	121	136	117	164	146	144	130·2	145	66	75	5	26	36	3
	2. „ OF ORGANS OF CIRCULATION .	42	48	56	43	54	57	60	71	56	65	55·2	65	2	9	15	20	20	1
	3. „ OF RESPIRATORY ORGANS . .	86	141	159	129	174	177	129	214	131	147	148·7	178	87	91	11	29	40	7
	4. „ OF DIGESTIVE ORGANS . . .	45	54	40	58	61	53	56	49	51	50	51·7	52	12	14	10	18	10	..
	5. „ OF URINARY ORGANS . . .	13	19	16	15	12	17	13	19	23	16	16·3	29	2	3	11	7	8	..
	6. „ OF ORGANS OF GENERATION .	8	6	1	6	3	5	10	7	7	5	5·8	3	..	..	1	2	..	..
	7. „ OF ORGANS OF LOCOMOTION .	2	3	5	6	6	3	2	2	5	12	4·6	7	..	5	1	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	..	6	5	1	3	4	3	4	..	6	3·2	1	..	..	1	..	..	..
IV.	1. DEV. DISEASES OF CHILDREN	32	45	43	41	35	34	44	42	38	39	39·3	28	28	28	..	..	..	..
	2. „ OF ADULTS .	3	5	5	3	10	7	8	8	5	5	5·9	3	..	..	3	..	..	..
	3. „ OF OLD PEOPLE	27	33	35	48	43	41	45	46	39	26	38·3	31	..	..	..	..	20	11
	4. DISEASES OF NUTRITION .	34	33	46	57	36	71	59	64	68	57	52·5	63	52	52	..	1	10	..
V.	*1 ACCIDENT OR NEGLIGENCE .	34	39	31	27	20	39	46	46	44	28	35·4	44	18	24	8	6	2	4
	3. HOMICIDE	2	3	2	2	3	7	3	4	2	2	3·0	3	2	2	1	..	..	..
	4. SUICIDE	7	4	5	8	7	10	2	11	8	2	6·4	4	..	1	1	2	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	8	4	2	2	4	6	6	4	4	..	4·0	1	..	..	1	..	..	..
	CAUSES NOT SPECIFIED . .	14	4	3	8	5	18	15	2	48	18	13·5	6	6	6	..	..	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 18 1859	June 16 1860	June 15 1861	June 14 1862	June 13 1863	June 18 1864	June 17 1865	June 16 1866	June 15 1867	June 13 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 19, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	59°7	53°9	60°5	55°3	54°7	57°8	57°8	58°5	59°9	60°3	57°8	Mean Temp. 51°3						
I.	ORDER 1.																		
	1. Small-pox	14	27	9	..	43	13	13	39	26	10	19·4	3	1	2	1	..	..	..
	2. Measles	22	63	22	50	45	85	17	80	19	60	46·3	28	25	28	..	..	..	..
	3. Scarlet Fever (Scarlatina)	43	28	28	39	72	36	27	31	16	22	34·2	60	43	59	1	..	..	..
	4. Diphtheria	13	8	2	13	13	7	7	8	6	8	8·5	6	3	6	..	..	..	..
	5. Quinsy	2	1	3	1	4	..	1	3	..	..	1·5	..	..	..	..	..	..	..
	6. Croup	6	3	14	16	16	13	8	11	6	14	10·7	8	6	8	..	..	..	..
	7. Whooping-cough	24	20	88	36	36	47	43	71	33	70	46·8	93	89	93	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	29	27	30	82	45	67	55	40	33	40	44·8	10 19 9	1 5 2	4 10 4	1 3 ..	2 5 5	3 1 ..	..
	9. Erysipelas	5	9	2	6	9	10	3	4	5	..	5·3	2	..	..	..	2	..	..
	10. Puerperal Fever (Metria)	7	3	2	4	2	6	1	3	4	4	3·6	..	..	..	..	..	..	..
	11. Carbuncle	1	..	..	..	..	1	2	1	1	..	·6	1	..	..	..	..	..	1
	12. Influenza	..	..	1	1	..	..	..	..	..	1	·3	1	..	..	..	..	1	..
	13. Dysentery	..	2	1	2	2	1	2	2	2	..	1·4	3	1	1	1	..	1	..
	14. Diarrhœa	20	14	17	20	21	26	93	20	31	31	29·3	17	13	13	2	..	2	..
	15. Simple Cholera	2	..	1	..	2	2	3	3	2	3	1·8	4	2	2	2	..	..	..
	16. Ague	2	..	1	..	1	..	..	1	..	1	·6	2	2	2	..	..	..	..
	17. Remittent Fever	2	..	2	2	2	2	..	1	..	1	1·2	..	..	..	..	..	..	..
	18. Rheumatism	12	10	11	5	12	4	8	5	5	3	7·5	5	..	2	..	1	2	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	1	..	..	·1	1	1	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	6	7	6	2	5	7	7	9	4	7	6·0	6	6	6	..	..	..	..
	2. Stricture of Urethra	..	1	..	2	1	3	1	1	1	1	1·1	1	..	..	..	1	..	..
	3. Hydrophobia	..	..	..	..	1	..	..	3	..	..	·4	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	..	..	..	1	2	..	2	..	..	·6	1	..	..	..	..	1	..
	2. Want of Breast-milk	9	8	11	11	6	3	9	9	8	7	8·1	5	5	5	..	..	..	..
	3. Purpura and Scurvy	1	2	2	1	2	1	2	5	1	..	1·7	..	..	..	..	..	..	..
	4. Alcoholism (*a* Del. Tremens; *b* Intemperance)	4 3	2 4	5 1	..	1 3	2 1	2 2	.. 5	1 1	3 ..	2·0 2·1	3 ..	..	..	2	1	..	..
	ORDER 4.																		
	1. Thrush	3	1	2	4	5	2	6	1	5	1	3·0	1	1	1	..	..	..	..
	2. Worms, &c.	1	..	..	..	..	1	..	..	..	..	·2	1	..	1	..	..	..	..
II.	ORDER 1.																		
	1. Gout	..	..	2	..	3	4	..	3	1	3	1·6	1	..	..	..	1	..	..
	2. Dropsy	8	7	16	12	17	11	15	11	11	12	12·0	10	1	1	..	4	5	..
	3. Cancer	26	24	17	32	20	22	32	19	30	36	25·8	35	..	..	6	15	14	..
	4. Cancrum Oris (Noma)	..	..	..	..	..	..	..	..	1	1	·2	..	..	..	..	..	..	..
	5. Mortification	..	5	4	..	4	5	3	3	3	..	2·7	1	..	..	..	..	1	..
	ORDER 2.																		
	1. Scrofula	10	12	18	13	10	13	6	11	10	8	11·1	7	5	5	..	1	1	..
	2. Tabes Mesenterica	8	12	24	13	20	20	25	15	19	21	17·7	22	19	20	..	1	1	..
	3. Phthisis	150	161	153	145	141	156	156	170	118	178	152·8	171	10	32	82	45	12	..
	4. Hydrocephalus	18	38	38	34	24	38	37	22	16	27	29·2	36	33	36	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	8	4	10	17	14	10	13	15	20	15	12·6	13	9	11	..	1	1	..
	2. Apoplexy	23	34	37	28	29	37	29	40	32	31	32·0	26	..	1	3	9	13	..
	3. Paralysis	13	22	17	16	19	28	17	29	21	22	20·4	26	..	..	1	9	14	2
	4. Insanity	2	1	..	1	2	1	4	1	2	2	1·6	2	..	..	..	..	1	1
	5. Chorea	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
	6. Epilepsy	5	3	7	6	7	8	5	10	9	8	6·8	6	2	3	1	1	1	..
	7. Convulsions	40	35	46	32	36	34	34	48	46	56	40·7	52	51	52	..	..	..	..
	8. *Brain Disease, &c.*	13	19	17	18	14	18	15	21	16	10	16·1	19	4	7	..	6	6	..
	ORDER 2.																		
	1. Pericarditis	2	..	2	..	3	4	4	1	4	..	2·0	2	1	2	..	..	..	..
	2. Aneurism	..	1	5	1	2	2	2	..	2	3	1·8	1	..	..	..	..	1	..
	3. *Heart Disease, &c.*	40	47	49	42	49	51	54	70	50	62	51·4	62	1	7	15	20	19	1
	ORDER 3.																		
	1. Laryngitis	3	1	9	5	6	4	7	6	5	2	4·8	7	2	2	2	2	1	..
	2. Bronchitis	36	63	85	50	85	91	53	112	74	55	70·4	99	41	41	5	19	28	6
	3. Pleurisy	3	6	1	2	2	3	4	4	3	7	3·5	3	..	1	1	..	1	..
	4. Pneumonia	37	56	53	59	61	61	50	78	35	64	55·4	59	41	44	3	5	6	1
	5. Asthma	5	2	4	6	4	4	4	2	4	6	4·1	5	..	..	..	3	2	..
	6. *Lung Disease, &c.*	2	13	7	7	16	14	11	12	10	13	10·5	5	3	3	..	..	2	..
	ORDER 4.																		
	1. Gastritis	3	..	2	1	3	2	..	3	2	1	1·7	1	..	..	1	..	..	..
	2. Enteritis	4	5	3	5	5	9	9	2	5	2	4·9	6	5	5	..	1	..	..
	3. Peritonitis	4	7	3	3	6	6	10	3	2	1	4·5	4	1	2	..	1	1	..
	4. Ascites	2	4	1	3	2	2	4	4	1	1	2·4	1	..	..	..	..	1	..
	5. Ulceration of Intestines	3	4	..	3	3	1	..	2	4	4	2·4	1	..	..	..	..	1	..
	6. Hernia	4	4	2	4	5	2	1	2	3	2	2·9	3	1	1	..	..	2	..
	7. Ileus	5	1	4	4	3	2	..	3	4	5	3·1	5	1	1	1	1	2	..
	8. Intussusception	1	1	2	2	1	1	..	1	2	..	1·1	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

n the TWENTY-FOURTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 18 1859	June 16 1860	June 15 1861	June 14 1862	June 13 1863	June 18 1864	June 17 1865	June 16 1866	June 15 1867	June 13 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 19, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	59°·7	53°·9	60°·5	55°·3	54°·7	57°·8	57°·8	58°·5	59°·9	60°·3	57°·8	Mean Temp. 51°·3						
	9. Stricture of Intestines	..	..	..	..	2	..	..	..	2	2	·6	1	..	..	..	1	..	..
	10. Fistula	1	..	..	..	..	..	1	..	..	2	·4	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	4	2	6	12	6	9	5	7	4	4	5·9	3	1	1	..	2	..	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	3	3	4	1	7	4	8	5	4	3	4·2	4	..	..	..	2	2	..
	14. Jaundice	2	7	5	6	1	3	2	4	2	5	3·7	4	3	3	1	..	..	..
	15. *Liver Disease, &c.*	9	16	8	14	17	12	16	12	16	18	13·8	19	..	1	7	10	1	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	1	..	..	..	1	1	..	..	2	·5	2	1	1	1	..	..	..
	2. Ischuria	1	..	..	..	1	1	..	..	1	..	·4	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	5	9	11	10	4	6	2	9	7	7	7·0	16	..	1	7	5	3	..
	4. Diabetes	..	2	2	..	1	3	2	3	2	2	1·7	..	..	..	..	..	..	..
	5. Calculus (Stone)	..	..	..	1	1	..	1	1	1	1	·6	2	1	1	..	..	1	..
	6. Cystitis	1	2	..	..	1	2	1	2	..	1	1·0	2	..	..	1	..	1	..
	7. *Kidney Disease, &c.*	6	5	3	4	4	4	6	4	12	3	5·1	7	..	..	2	2	3	..
	ORDER 6.																		
	1 Ovarian Dropsy	..	2	..	2	1	..	2	..	1	..	·8	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	8	4	1	4	2	5	8	7	6	5	5·0	3	..	..	1	2	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	1	..	..	..	..	1	..	1	·3	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	2	3	4	6	6	3	2	1	5	11	4·3	7	..	5	1	1	..	..
	ORDER 8.																		
	1. Phlegmon	..	5	1	1	1	3	1	..	..	4	1·6	1	..	..	1	..	..	..
	2. Ulcer	..	..	1	..	2	1	2	4	..	..	1·0	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	..	1	3	..	..	..	..	..	..	2	·6	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	14	28	23	22	20	16	23	24	24	24	21·8	11	11	11	..	..	..	..
	2. Cyanosis	4	3	..	..	1	..	4	1	3	3	1·9	1	1	1	..	..	..	..
	3. Spina Bifida	1	1	1	3	1	2	1	3	1	..	1·4	2	2	2	..	..	..	..
	4. Other Malformations	..	2	1	1	2	2	..	1	..	1	1·0	1	1	1	..	..	..	..
	5. Teething	13	11	18	15	11	14	16	13	10	11	13·2	13	13	13	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	1	..	1	..	1	..	..	..	·3	..	..	..	..	..	..	..
	2. Childbirth(*see* Puerperal Fev.)	3	5	4	3	9	7	7	8	5	5	5·6	3	..	..	3	..	..	..
	ORDER 3.																		
	1. Old Age	27	33	35	48	43	41	45	46	39	26	38·3	31	..	..	..	..	20	11
	ORDER 4.																		
	1. Atrophy and Debility	34	33	46	57	36	71	59	64	68	57	52·5	63	52	52	..	1	10	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	13	17	9	13	12	11	22	24	21	10	15·2	14	1	4	2	2	2	4
	2. Wounds	1	..	..	..	..	2	..	..	..	..	·3	1	..	..	1	..	..	..
	3. Burns and Scalds	3	5	6	2	..	3	3	4	7	4	3·7	5	3	3	2	..	..	..
	4. Poison	..	..	2	1	1	1	..	..	1	1	·7	1	..	..	..	1	..	..
	5. Drowning	11	8	10	4	4	6	11	11	6	8	7·9	8	..	3	3	2	..	..
	6. Suffocation	5	7	4	6	2	11	5	4	7	5	5·6	13	12	12	..	1	..	..
	7. Otherwise	1	2	..	1	1	5	5	3	2	..	2·0	2	2	2	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	3	2	2	3	7	3	4	2	2	3·0	3	2	2	1	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	1	..	..	..	1	..	1	1	..	·4	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	..	1	1	1	2	1	2	2	1	1·2	..	..	..	..	..	..	..
	2. Poison	1	..	1	..	2	..	1	..	2	..	·7	3	..	1	..	2	..	..
	3. Drowning	2	1	..	1	1	3	..	3	2	..	1·3	1	..	..	1	..	..	..
	4. Hanging	1	2	3	6	3	4	..	4	1	1	2·5	..	..	..	..	..	..	..
	5. Otherwise	2	..	..	..	..	..	..	1	..	..	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	8	4	2	2	4	6	6	4	4	..	4·0	1	..	..	1	..	..	..
	Causes not specified or ill-defined	14	4	3	8	5	18	15	2	48	18	13·5	6	6	6	..	..	..	..

æmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when e result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 19th June 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shownby a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
June.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday .	13	..	29·396	73·0	48·3	24·7	58·2	49·1	140·2	41·1	58·4	56·4	9·1	22·1	0·0	— 0·6	72	Calm & s.w.	SW.&SSW.	2·0	0·0	0·2	193	0·00	6
Monday .	14	..	29·383	61·7	44·0	17·7	50·8	45·7	102·0	35·0	..	..	5·1	13·7	0·2	— 8·2	83	SSE, NE, & NNW.	NW&WSW	3·3	0·0	0·3	267	0·55	1
Tuesday .	15	..	29·502	64·8	43·7	21·1	51·9	45·6	133·6	33·0	56·4	55·4	6·3	12·2	0·6	— 7·1	79	SSW.&SW.	W.&WSW.	22·0	0·0	1·7	536	0·09	5
Wednesday	16	Perigee	29·976	58·5	43·6	14·9	48·8	41·0	88·7	39·8	55·4	54·4	7·8	15·6	3·8	—10·2	74	WNW.& NW.	NNW, N, & SW.	15·0	0·0	1·2	430	0·03	4
Thursday .	17	First Quarter	30·102	56·8	39·4	17·4	47·4	46·0	86·5	30·3	56·9	55·4	1·4	11·4	0·0	—11·6	95	SW.	SW.&WSW	1·1	0·0	0·0	183	0·15	0
Friday .	18	In Equator	29·872	60·3	46·2	14·1	50·7	45·5	104·9	43·2	57·1	55·6	5·2	12·0	0·0	— 8·4	82	NNW.& W..	W.& N. by W.	1·0	0·0	0·1	168	0·00	0
Saturday .	19	..	29·811	63·3	42·5	20·8	51·4	44·4	121·2	40·9	57·4	55·4	7·0	15·4	1·1	— 7·8	77	N.	N.	0·3	0·0	0·0	158	0·02	3
Means . .		..	29·720	62·6	44·0	18·7	51·3	45·3	111·0	37·6	(6 days) 56·9	(6 days) 55·4	6·0	14·6	0·8	— 7·7	80	Variable.		..	..	..	Sum 1935	Sum 0·84	2·7
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. June.		Electricity.	Sky and Atmosphere.
Sunday .	13	The insulating lamp was not burning.	Fine; generally cloudy.
Monday .	14		Overcast throughout the morning, and heavy rain fell; partially cloudy and fine during the afternoon and evening. Slight fog at night.
Tuesday .	15		Generally cloudy. Frequent showers of rain. Shortly after noon (in a shower of short duration) hail fell with the rain, and was accompanied by lightning and thunder.
Wednesday	16		Generally cloudy. A shower of rain fell between 4h. A.M. and 5h. A.M., and a little rain also fell in the afternoon.
Thursday .	17		Generally overcast. Rain fell frequently.
Friday .	18		Generally cloudy. Very gloomy between 7h. A.M. and 8h. A.M.; somewhat foggy about 10h. A.M. in low grounds, and thin rain fell occasionally till noon.
Saturday .	19	No electricity was shown.	Generally cloudy. Rain fell occasionally in the afternoon and evening. Slight fog at night.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·58 in. at the beginning of the week to 29·24 in. by 9h. A.M. on the 14th; increased to 29·54 in. by 9h. P.M. on the same day; decreased to 29·43 in. by 9h. A.M. on the 15th; increased to 30·15 in. by 9h. A.M. on the 17th; and decreased to 29·81 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 25. 1869. Vol. XXX.] Week ending Saturday, June 26. [Price 1½*d.*

General Register Office, Somerset House,
28th June 1869.

In the week that ended on Saturday, 26th June, 4520 births, and 2959 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 24 per 1000 persons living.

The annual rate of mortality last week was 23 per 1000 in London, 35 in Edinburgh, and 18 in Dublin; 20 in Bristol, 18 in Birmingham, 27 in Liverpool, 23 in Manchester, 21 in Salford, 21 in Sheffield, 19 in Bradford, 24 in Leeds, 23 in Hull, 17 in Newcastle-upon-Tyne, and 36 in Glasgow. The rate in Vienna was 31 per 1000 during the week ending the 19th inst., and in Berlin 38 per 1000 during the seven days ending the 24th instant.

In London the births of 1080 boys and 1020 girls, in all 2100 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2094.

The deaths registered in London during the week were 1381. It was the twenty-fifth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1265. The deaths in the present return exceed by 116 the estimated amount, and exceed by 145 the number recorded in the preceding week.

The deaths from zymotic diseases were 300, the corrected average number being 338. Twenty-three deaths from measles, 65 from scarlet fever, 6 from diphtheria, 76 from whooping-cough, 10 from typhus fever, 18 from enteric fever, 10 from simple continued fever, and 28 from diarrhœa were registered.

The daughter of a mariner, aged 6 years, died on 22d June at 56 Fair-street, Southwark, from "small-pox." The registrar remarks: "There were four "children in this family, two had been vaccinated and escaped small-pox; two "were unvaccinated and took the disease, one of whom died."

One hundred and ninety-seven deaths occurred from phthisis, 108 from bronchitis, and 64 from pneumonia. The corrected average number of deaths from phthisis is 174, from bronchitis 72, and from pneumonia 50.

One hundred and fifty-two persons died from diseases of the brain and nervous system, and 98 from diseases of the organs of circulation.

The deaths of 9 infants from syphilis, of 3 children from burns or scalds, of 4 persons from drowning, of 7 infants and one adult from suffocation, and of 5 persons who committed suicide were registered.

A tailoress, aged 50 years, died on 21st June at 17 Helmet-row, City-road, from "bronchitis, accelerated by privation." (*Inquest.*)

The following deaths of 7 persons who were killed by horses or vehicles in the streets were recorded:—

A van driver, aged 39 years, "fracture of ribs by falling under the wheels of a van." Died on 9th June in University College Hospital. (*Inquest.*)

The widow of a tailor, aged 66 years, "fracture of dorsal vertebræ by being run over by a cab." Died on 12th June in the Great Northern Hospital. *Post mort.* (*Inquest.*)

A carman, aged 60 years, "fractured skull, run over by a cart." Died instantly on 19th March in St. John-street-road. (*Inquest.*)

A dressmaker, aged 58 years, was found dead on 5th May at 37 Morpeth-street, Bethnal-green, from "effusion of serum into pericardium, accelerated by shock from being run over by a horse." (*Inquest.*)

The son of a cabinet-maker, aged 17 months, died on 19th March, at 81 Mape-street, Bethnal-green, from " inflammation of the brain, accelerated by being thrown from a cart. *Post mort.* (*Inquest.*)

A female child, aged 8 months, was found dead in Bethnal-green-road, on 21st June, from " the wheel of a cart passing over her head." (*Inquest.*)

The daughter of a coalwhipper, aged 4 years, " rupture of liver, run over by a cart." Died on 23d June at the Children's Hospital, Ratcliff. (*Inquest.*)

The waters supplied by the Metropolitan Companies during the month of June contained (according to Professor Frankland's analysis) in 100,000 tons, foreign solid matters amounting to 27 tons in the Chelsea water, 27 in the West Middlesex, 27 in the Southwark and Vauxhall, 29 in the Grand Junction, 28 in the Lambeth, 28 in the New River, 25 in the East London, and 41 in the Kent. 100,000 tons of the Chelsea water contained 22 tons, the West Middlesex 21 tons, the Southwark and Vauxhall 22 tons, the Grand Junction 22 tons, the Lambeth 22 tons, the New River 22 tons, the East London 20 tons, and the Kent 29 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

Another sample of the New River water taken at Haverstock-hill, contained in 100,000 tons, 30 tons of foreign solid matters, and 16 tons of carbonate of lime or an equivalent quantity of other soap-destroying ingredients. A sample of the deep chalk well water at the Royal Mint contained in 100,000 tons, 84 tons of foreign solid matters, and 17 tons of carbonate of lime or an equivalent quantity of other soap-destroying ingredients. Professor Frankland remarks :—" With the " exception of the Southwark and Grand Junction Companies samples which were " turbid, all the waters were perfectly clear and transparent. The turbid waters " contained numerous living organisms. The evidence of previous sewage con- " tamination in the East London Company's water has been obliterated, most " probably either by the action of aquatic plants or by long sojourn in reservoirs."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·967 in. The barometrical reading increased from 29·80 in. at the beginning of the week to 30·08 in. on Wednesday, 23d June. The mean temperature of the air in the week was 54·3°, which is 6·4° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 73·4° on Saturday, 26th June. The lowest night temperature was 41·4° on Sunday, 20th June. The entire range of temperature in the week was, therefore, 32·0°. The mean of the highest temperatures of the water of the Thames was 57·2° ; that of the lowest was 55·1°. The difference between the mean dew-point temperature and air temperature was 5·1°. The mean degree of humidity of the air was 83, complete saturation being represented by 100. Rain fell to the amount of 0·20 in. The general direction of the wind was N. and N.N.E.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 181,757 cubic metres, and at Barking 133,824 cubic metres, equivalent to about as many tons by weight.

In the week which ended 19th June, the daily average quantity of sewage discharged into the Thames at Barking was 177,949 cubic metres.

Royal College of Chemistry,
26th June 1869.

SIR,

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of June. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Newcastle, Glasgow, Manchester, Preston, Lancaster, Bristol, and Dublin, and by samples of Thames water taken at London Bridge at low and high water, also by the water from the artesian well in Trafalgar-square and the well water from the Royal Mint.

With the exception of the Southwark and Grand Junction Companies samples which were turbid, all the waters were perfectly clear and transparent. The turbid waters contained numerous living organisms. The evidence of previous sewage contamination in the East London Company's water has been obliterated, most probably either by the action of aquatic plants or by long sojourn in reservoirs.

I have, &c.

E. FRANKLAND.

The Registrar General,
&c. &c. &c.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	15th June, Cab Rank, Horse Guards	16·7	26·8	·140	·020	·002	·164	·186	1340	1·73	21·52
West Middlesex	15th June, Cab Rank, Portland-road	17·5	26·8	·196	·034	·000	·169	·203	1370	1·70	21·37
Southwark and Vauxhall	15th June, Cab Rank, St. George's Church, Borough	17·7	26·6	·133	·029	·000	·186	·215	1540	1·68	22·11
Grand Junction	15th June, Cab Rank, Woodstock-st.	16·1	28·5	·197	·035	·002	·120	·157	900	1·72	21·84
Lambeth	15th June, Cab Rank, Lambeth-road	16·7	27·7	·190	·033	·000	·215	·248	1830	1·72	22·11
OTHER SOURCES.											
New River	15th June, Cab Rank, Tottenham-court-road	16·7	28·1	·091	·017	·000	·126	·143	940	1·46	21·96
Ditto	15th June, Park-road, Haverstock-hill		30·0	·119	·022	·000	·165	·187	1330	1·42	15·94
East London	16th June, Slater's Lamp Black Works, Old Ford-road	13·9	25·2	·128	·022	·000	·006	·028	0	1·72	20·04
Kent	16th June, Deptfd. Bdge, Police Stat.	12·8	41·3	·034	·019	·000	·400	·419	3680	2·46	29·02
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September 1868		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July 1868, Glasgow		3·00	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June 1868, Manchester		6·20	·183	·009	·006	·025	·039	0	1·117	3·7
Preston	August 1868, Preston		12·44	·236	·031	·006	·000	·036	0	1·590	8·9
Lancaster	November 1868, Lancaster		4·58	·129	·022	·001	·000	·023	0	·993	·87
Bristol	February 1869, Bristol Waterworks		28·66	·160	·017	·001	·203	·221	1720	1·3	24·46
Dublin	April 1869, Dublin Water Supply		6·34	·238	·024	·001	·000	·025	0	1·24	2·97
Thames water, filtered	27th April 1869, London Bridge mid-stream — at low water		30·35	·455	·075	·032	·181	·282	1750	1·95	22·7
	at high water		92·85	·540	·122	·025	·394	·537	3830	31·5	23·9
Artesian well water	May 6th, 1869, Trafalgar Square, London		83·4	·150	·012	·070	·000	·070	260	16·55	5·92
Deep Chalk well water	June 1869, Royal Mint,		83·96	·195	·025	·060	·000	·074	170	13·92	17·48
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 15th June at the Horse Guards cab rank had a temperature of 16·7° C.; 100,000 lbs. of it contained 26·8 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·140 lb. of carbon and ·020 lb. of nitrogen. This solid impurity also contained ·164 lb. of nitrogen in the form of nitrates and nitrites, besides ·002 lb. of ammonia, whilst the total amount of *combined* nitrogen in every form was ·186 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 1340 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·73 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 21·52 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Twenty fifth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1765	1688	1749	1913	1879	1897	1949	1943	2234	2025	1904·2	2100
Males . .	936	837	882	942	938	973	1022	997	1142	1024	969·3	1080
Females . .	829	851	867	971	941	924	927	946	1092	1001	934·9	1020
Total Deaths	970	965	1077	1104	1191	1262	1359	1295	1052	1228	1150·3	1381
Males . .	465	522	561	575	619	661	705	688	531	656	598·3	698
Females . .	505	443	516	529	572	601	654	607	521	572	552·0	683

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Apr. 3.	Apr. 10.	Apr. 17.	Apr 24.	May 1.	May 8.	May 15	May 22.	May 29.	June 5.	June 12.	June 19	June 26.
Deaths - - - - -	1670	1550	1595	1377	1288	1421	1279	1281	1276	1355	1305	1236	1381
Deaths under 5 years of age -	678	601	662	614	563	616	536	528	517	532	553	549	590
Deaths under 20 years of age	786	698	772	696	656	721	631	634	613	637	661	652	693
Deaths 20—40 - - - -	211	215	235	199	183	209	208	184	184	196	194	170	204
Deaths 40—60 - - - -	282	260	254	211	211	236	210	231	202	258	212	196	227
Deaths at 60 years of age and upwards - - - -	391	377	334	271	238	255	230	232	277	264	238	218	257
Deaths from Smallpox - -	4	4	2	4	8	3	4	3	8	3	8	3	1
„ „ Measles - -	31	34	28	18	20	21	24	22	23	24	28	28	23
„ „ Scarlet Fever -	44	39	41	38	42	53	56	45	45	62	54	60	65
„ „ Diphtheria -	6	5	3	6	4	7	6	5	6	3	3	6	6
„ „ Whooping-cough	73	85	103	97	81	91	87	97	92	89	96	93	76
„ „ Typhus fever -	20	17	24	24	19	9	18	7	16	15	12	10	10
„ „ Enteric fever -	21	19	14	19	21	21	16	12	19	15	18	19	18
„ „ Simple Cont^{d} fever	16	12	17	10	7	13	8	4	5	6	9	9	10
„ „ Diarrhœa - -	19	12	21	21	10	19	10	15	5	22	11	17	28
„ „ Phthisis - -	179	195	192	184	156	216	169	194	171	200	166	171	197
„ „ Bronchitis - -	269	249	191	147	111	131	117	101	104	115	97	99	108
„ „ Pneumonia -	102	104	95	86	89	85	69	78	75	62	74	59	64
„ „ Heart Disease -	82	65	67	50	59	54	65	75	60	61	65	62	90
Mean Temperature of the Air	39°·0	47°·1	55°·2	50°·3	51°·9	50°·5	51°·2	50°·0	51°·7	53°·3	59°·0	51°·3	54°·3
Mean Temperature of the Water of the Thames -	40·7	43·8	52·7	52·9	54·7	54·4	54·1	53·3	53·7	53·5	57·3	56·1	56·1
Humidity of the Air - -	83	88	81	83	74	88	79	86	79	82	73	80	83
Rain-fall in inches - -	0·24	0·17	0·46	0·25	0·00	1·28	0·35	0·68	1·12	0·10	0·00	0·84	0·20

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 26th day of June 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 26th June.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 26th June.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4520**	**3244**	**2959**	**76·1**	**39·0**	**56·0**	**0·03**	**2**	**24·50**	**3·89**	**13·33**	**5**
London (Metropolis . .	3,170,754	40·7	2070	2100	1462	1381	73·4	41·4	54·3	0·20	20	23·00	5·22	12·39	51
Bristol . . (City) .	169,423	36·1	109	110	76	64 *	71·8	42·0	56·5	0·00	0	22·12	5·56	13·61	0
Birmingham . (Borough) .	360,846	46·1	283	238	175	125	73·2	42·3	54·8	0·05	5	22·89	5·73	12·67	13
Liverpool . . (Borough) .	509,052	99·7	345	375	295	265	70·3	46·4	56·2	0·00	0	21·28	8·00	13·44	0
Manchester . (City) .	370,892	82·7	277	232	219	167 *	71·0	42·7	55·7	0·00	0	21·67	5·95	13·17	0
Salford . . (Borough) .	119,350	23·1	89	108	60	48	73·4	39·7	55·0	0·01	1	23·00	4·28	12·78	3
Sheffield . . (Borough) .	239,752	10·5	196	193	126	97	74·0	43·7	55·2	0·00	0	23·33	6·50	12·89	0
Bradford . . (Borough) .	138,522	21·0	105	130	71	50	70·0	45·6	56·5	0·00	0	21·11	7·56	13·61	0
Leeds . . . (Borough .	253,110	11·7	189	227	129	118	72·0	45·0	56·3	0·00	0	22·22	7·22	13·50	0
Hull . . . (Borough) .	126,682	35·6	83	87	59	57	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	61	69	43	71·0	44·0	52·7	0·00	0	21·67	6·67	11·50	0
Edinburgh . (City) .	178,002	40·2	112	157	86	121	71·7	39·0	59·0	0·00	0	22·06	3·89	15·00	0
Glasgow . . (City) .	458,937	90·6	374	395	268	313	..	..	..	..	..	..	..	..	..
Dublin (City and some suburbs)	320,762	32·9	219	107	158	110	76·1	46·3	59·4	0·03	3	24·50	7·95	15·22	8
				Week ending 19th June 1869.		Week ending 19th June 1869.	Week ending 19th June 1869.					Week ending 19th June 1869.			
Vienna . . (City) .	(1863) 560,000	..	..	..	..	334	..	..	61·7	..	..	..	..	16·50	..
				Week ending 24th June 1869.		Week ending 24th June 1869.	Week ending 24th June 1869.					Week ending 24th June 1869.			
Berlin . . (City) .	(1867) 702,437	..	..	543	..	514	..	..	55·4	..	..	..	..	13·00	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. C. Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 26th June, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2100	1381	1	23	65	6	76	38	28
WEST DISTRICTS -	347	213	-	4	11	2	11	5	7
NORTH DISTRICTS -	480	318	-	2	15	-	26	13	6
CENTRAL DISTRICTS	234	174	-	2	5	1	9	6	3
EAST DISTRICTS -	406	305	-	8	19	1	10	8	4
SOUTH DISTRICTS -	633	371	1	7	15	2	20	6	8
WEST DISTRICTS.									
St. Mary Paddington *WH*	34	20	-	-	4	-	2	1	1
St. John Paddington H	13	7	-	-	-	-	1	-	-
Kensington Town *W* -	54	31	-	-	1	-	-	1	2
Brompton H - -	12	13	-	-	-	-	-	-	-
St. Peter Hammersmith	6	3	-	-	-	-	-	-	-
St. Paul Hammersmith	20	11	-	1	-	1	-	1	1
Fulham *W* - - -	26	13	-	-	-	-	-	-	-
Chelsea South H - -	15	12	-	-	1	-	2	-	-
ChelseaNorth-west H*Ww*	20	13	-	-	-	-	1	-	1
Chelsea North-east -	10	8	-	-	-	-	-	1	-
Hanover Square - -	3	7	-	-	-	-	-	-	-
May Fair *W* - -	4	6	-	1	-	1	-	-	-
Belgrave H - - -	42	14	-	-	-	-	1	-	1
St. John Westminster -	29	13	-	2	1	-	1	-	-
St. Margaret West. *WH*	24	17	-	-	1	-	1	1	1
St. James's Square -	3	3	-	-	-	-	-	-	-
Golden Square *W* -	8	13	-	-	1	-	2	-	-
Berwick-street - -	6	2	-	-	1	-	-	-	-
St. Anne Soho - -	18	7	-	-	1	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	9	14	-	1	-	-	1	-	-
Cavendish Square - -	9	3	-	-	1	-	-	-	-
Rectory Marylebone *W*	23	10	-	-	-	-	1	-	1
St. Mary Marylebone -	12	4	-	-	-	-	1	-	-
Christchurch Marylebone	22	12	-	-	2	-	1	-	1
St. John Marylebone -	12	15	-	-	-	-	-	1	-
Hampstead *W* - -	17	6	-	-	1	-	-	-	-
Regent's Park Pancras -	28	16	-	-	1	-	1	-	-
Tottenham-court *w*H -	13	22	-	-	-	-	-	-	-
Gray's Inn Lane H -	17	11	-	-	-	-	-	-	-
Somers Town - -	31	13	-	-	1	-	1	-	-
Camden Town *W* -	9	11	-	-	-	-	-	1	1
Kentish Town - -	31	19	-	-	1	-	2	-	-
Islington West* *WHH*	89	50	-	-	1	-	10	8	-
Islington East *Ww* -	62	46	-	-	4	-	5	1	3
Stoke Newington - -	6	4	-	-	-	-	-	-	-
Stamford Hill - -	7	3	-	1	-	-	-	-	-
West Hackney - -	11	11	-	-	-	-	2	-	-
Hackney *WHw* - -	30	33	-	-	2	-	-	1	-
South Hackney L -	19	15	-	-	1	-	1	1	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	8	7	-	-	-	-	-	-	-
St. Giles South *W* -	24	7	-	-	-	-	-	-	-
St. Giles North - -	12	12	-	-	-	-	1	-	-
Long Acre - - -	10	4	-	-	-	-	-	-	-
Charing Cross *WH* -	2	12	-	-	-	-	-	-	-
St. Mary-le-Strand -	3	1	-	-	-	-	-	-	-
St. Clement Danes ,H -	9	8	-	-	-	-	-	-	-
St. George-the-Martyr H	13	27	-	-	1	1	2	1	-
St. Andrew, East Holb. *W*	13	3	-	-	-	-	1	-	-
Saffron Hill - - -	4	4	-	-	-	-	-	-	-
St. James Clerkenwell *W*	15	12	-	1	1	-	-	2	-
Amwell Clerkenwell -	18	3	-	-	1	-	-	-	1
Pentonville - - -	10	7	-	-	-	-	-	-	1
Goswell-street - -	7	6	-	-	-	-	1	-	-
Old-street - - -	12	2	-	-	-	-	-	-	-
City-road HL - -	21	7	-	-	1	-	-	1	-
Whitecross-street - -	7	7	-	-	-	-	-	-	-
Finsbury - - -	6	6	-	1	-	-	-	-	-
St. Botolph East London	11	10	-	-	-	-	1	-	1
Cripplegate - - -	15	4	-	-	-	-	-	1	-
West London North *WH*	4	13	-	-	-	-	1	-	-
West London South -	5	4	-	-	-	-	1	-	-
London City South-west	1	2	-	-	-	-	-	1	-
London City North-west	-	-	-	-	-	-	-	-	-
London City South -	2	2	-	-	1	-	-	-	-
London City South-east	2	1	-	-	-	-	1	-	-
London City North-east	2	3	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	8	9	-	1	-	-	-	1	-
St. Leonard Shrdtch. L†	10	6	-	-	-	-	-	-	-
Hoxton New Town *w* -	14	16	-	-	-	-	1	2	1
Hoxton Old Town - -	19	9	-	-	-	-	-	-	-
Haggerstone West *W* -	23	12	-	1	-	-	1	-	-
Haggerstone East - -	18	9	-	-	-	-	-	-	-
Hackney-road - -	20	14	-	-	2	-	-	1	-
Green, Bthnl.Grn. *WHL*†	34	30	-	-	1	-	-	-	-
Church, Bethnal Green Town, Bethnal Green -	17	19	-	-	1	-	2	1	-
	17	6	-	-	1	-	-	-	-
Artillery Whitechapel -	5	2	-	-	1	-	-	-	-
Spitalfields - - -	11	7	-	-	1	-	1	-	-
Mile End New Town *W*	9	12	-	-	-	-	-	-	1
Whitechapel North -	4	2	-	-	-	-	-	-	-
Whitechapel Church H	1	10	-	-	-	-	-	-	-
Goodman's Fields - -	6	4	-	-	-	-	1	-	-
Aldgate - - - -	1	3	-	-	-	-	-	-	-
St. Mary St. Geo. East -	12	7	-	2	1	-	-	1	1
St. Paul St. Geo. East -	11	8	-	1	-	-	-	-	-
St. John St. Geo. East *W*	2	4	-	-	-	-	-	-	-
Shadwell *W* - - -	5	9	-	-	1	-	-	-	-
Ratcliff *W* - - -	10	11	-	-	1	-	-	1	-
Limehouse *W* - -	19	9	-	-	1	-	-	-	-
Mile End Old Town, West	25	16	-	3	2	-	1	-	-
Mile End Old T., East *Ww*	35	21	-	-	2	1	2	-	-
Bow *ww*L† - - -	40	32	-	-	2	-	1	1	1
Poplar *W* - - -	30	18	-	-	2	-	-	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	12	3	-	-	-	-	-	-	-
St. Saviour Southwark H	7	4	-	-	-	-	-	-	-
St. Olave Southwark H	-	13	-	-	-	-	-	-	-
St. John Horsleydown *W*	8	11	1	-	1	-	-	-	-
St. James Bermondsey -	28	14	-	1	1	-	1	-	1
St. Mary Magdalen *W*	13	11	-	-	1	-	2	-	-
Leather Market - -	10	11	-	1	1	-	2	-	1
Kent-road - - -	10	8	-	-	-	-	-	-	-
Borough-road *W* -	14	9	-	-	-	-	-	-	-
London-road L - -	14	5	-	-	1	-	-	-	-
Trinity Newington -	19	14	-	-	1	-	2	-	-
St. Peter Walworth *W*	44	25	-	-	-	-	2	-	3
St. Mary Newington H -	11	5	-	-	1	-	-	-	-
Waterloo-road 1st - -	11	2	-	-	-	-	-	-	-
Waterloo-road 2nd -	20	8	-	1	-	-	2	1	-
Lambeth Church 1st -	12	8	-	-	-	-	-	-	2
Lambeth Church 2nd *W*	35	21	-	-	-	-	1	-	-
Kennington 1st - -	28	19	-	1	-	-	1	1	-
Kennington 2nd - -	12	5	-	-	-	-	-	-	-
Brixton - - - -	18	11	-	-	-	-	-	-	-
Norwood *W* - - -	8	1	-	-	1	-	-	-	-
Clapham - - -	11	7	-	-	1	-	-	-	-
Battersea *Ww* - -	47	22	-	1	1	-	-	1	1
Wandsworth L - -	29	6	-	-	-	-	-	-	-
Putney - - - -	4	2	-	-	-	-	-	-	-
Streatham - - -	3	3	-	-	-	-	-	-	-
Dulwich - - -	2	-	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	10	17	-	-	-	-	2	-	-
Peckham - - -	33	7	-	1	-	-	-	-	-
St. George Camberwell -	18	16	-	1	-	-	3	1	-
Rotherhithe *W* - -	21	13	-	-	3	-	1	-	-
St. Paul Deptford - -	36	12	-	-	-	1	1	-	-
St. Nicholas Deptford -	6	3	-	-	-	-	-	1	-
Greenwich West H -	13	6	-	-	-	-	-	-	-
Greenwich East *WH* -	13	7	-	-	-	1	-	1	-
Eltham - - - -	1	-	-	-	-	-	-	-	-
Lee - - - -	6	4	-	-	-	-	-	-	-
Lewisham Village *W* -	5	5	-	-	1	-	-	-	-
Sydenham - - -	13	6	-	-	-	-	-	-	-
Charlton H - - -	4	4	-	-	-	-	-	-	-
Woolwich Dockyard H	13	6	-	-	-	-	-	-	-
Woolwich Arsenal H -	10	9	-	-	-	-	-	-	-
Plumstead, West - -	5	5	-	-	-	-	-	-	-
Plumstead, East - -	5	3	-	-	1	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, rom ALL CAUSES, Registered in the TWENTY-FIFTH WEEK of each of the following Years.

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 25 1859	June 23 1860	June 22 1861	June 21 1862	June 20 1863	June 25 1864	June 24 1865	June 23 1866	June 22 1867	June 20 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 26, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	60°·0	56°·6	62°·9	54°·9	58°·8	58°·5	61°·1	58°·1	55°·3	65°·4	59°·2	Mean Temp 54·3						
	ALL CAUSES . . .	970	965	1077	1104	1191	1262	1359	1295	1052	1228	1150·3	1381	590	693	204	227	220	37
	SPECIFIED CAUSES .	961	953	1062	1054	1177	1257	1353	1289	1014	1225	1134·5	1379	590	693	204	227	218	37
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	239	221	257	266	384	373	457	367	184	328	307·6	300	209	244	30	18	5	3
II.	CONSTITUTIONAL „ .	249	214	237	230	231	262	276	289	263	284	253·5	323	77	106	102	81	31	3
III.	LOCAL „ .	313	367	406	406	389	437	407	455	389	425	399·4	554	187	219	58	118	145	14
IV.	DEVELOPMENTAL „ .	119	113	128	112	126	149	172	138	135	145	133·7	152	97	97	4	3	32	16
V.	VIOLENT DEATHS . .	41	38	34	40	47	36	41	40	43	43	40·3	50	20	27	10	7	5	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	216	210	234	243	361	349	424	335	161	299	283·2	271	185	220	27	16	5	3
	2. ENTHETIC „ . .	8	3	11	4	6	7	9	9	9	9	7·5	12	9	9	1	2	..	..
	3. DIETIC „ . .	13	6	11	13	16	14	21	18	12	15	13·9	16	14	14	2	..	..	..
	4. PARASITIC „ . .	2	2	1	6	1	3	3	5	2	5	3·0	1	1	1	..	..	..	..
II.	1. DIATHETIC „ . .	42	32	47	41	40	42	39	49	49	45	42·6	49	1	2	3	21	20	3
	2. TUBERCULAR „ . .	207	182	190	189	191	220	237	240	214	239	210·9	274	76	104	99	60	11	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	96	139	118	125	127	138	150	146	124	126	128·9	152	74	87	10	22	29	4
	2. „ OF ORGANS OF CIRCULATION .	37	49	55	64	53	46	75	58	54	58	54·9	98	..	8	15	31	44	..
	3. „ OF RESPIRATORY ORGANS . .	98	108	139	135	133	158	89	163	133	133	128·9	208	97	106	14	35	46	7
	4. „ OF DIGESTIVE ORGANS . .	49	46	61	47	43	64	55	57	52	64	53·8	55	11	12	4	19	17	3
	5. „ OF URINARY ORGANS . . .	25	15	18	22	18	12	27	21	18	20	19·6	29	2	3	11	9	6	..
	6. „ OF ORGANS OF GENERATION .	4	3	7	6	9	5	3	4	3	5	4·9	4	..	..	2	1	1	..
	7. „ OF ORGANS OF LOCOMOTION .	4	5	4	3	1	7	4	4	2	13	4·7	3	..	..	2	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	..	2	4	4	5	7	4	2	3	6	3·7	5	3	3	..	..	2	..
IV.	1. DEV. DISEASES OF CHILDREN	29	25	39	34	29	37	37	31	34	40	33·5	47	47	47	..	..	..	..
	2. „ OF ADULTS . .	2	5	3	7	9	8	5	6	6	6	5·7	5	..	..	4	1	..	..
	3. „ OF OLD PEOPLE	39	34	46	24	52	50	41	46	38	45	41·5	41	..	..	..	..	25	16
	4. DISEASES OF NUTRITION .	49	49	40	47	36	54	89	55	57	54	53·0	59	50	50	..	2	7	..
V.	1. ACCIDENT OR NEGLIGENCE .	30	29	26	28	38	30	34	33	37	37	32·2	41	18	25	6	4	5	1
*	3. HOMICIDE	1	1	2	4	4	1	4	2	..	1	2·0	3	2	2	..	1	..	..
	4. SUICIDE	10	8	6	8	5	5	3	5	6	4	6·0	5	..	..	4	1	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	1	·1	1	..	..	..	1	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	2	2	5	8	3	4	1	2	3	..	3·0	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	7	10	10	42	11	1	5	4	35	3	12·8	2	..	..	..	..	2	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 25 1859	June 23 1860	June 22 1861	June 21 1862	June 20 1863	June 25 1864	June 24 1865	June 23 1866	June 22 1867	June 20 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 26, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	60°0	56°6	62°9	54°9	58°8	58°5	61°1	58°1	55°3	65°4	59°2	Mean Temp. 54°3						
I.	ORDER 1.																		
	1. Small-pox	23	15	2	4	64	8	14	45	19	5	19·9	1	..	1	..	..	..	...
	2. Measles	28	47	23	45	32	79	25	69	20	59	42·7	23	22	23	..	..	..	...
	3. Scarlet Fever (Scarlatina)	39	35	24	44	97	36	42	39	18	32	40·6	65	47	63	1	1	..	...
	4. Diphtheria	12	10	12	12	28	14	5	8	10	2	11·3	6	4	5	1	..	..	...
	5. Quinsy	2	1	2	2	1	..	1	..	..	..	·9	..	..	..	..	..	..	...
	6. Croup	4	6	18	15	11	10	11	13	6	14	10·8	10	9	10	..	..	..	...
	7. Whooping-cough	30	20	78	24	31	33	56	54	33	58	41·7	76	73	76	..	..	..	...
	8. Typhus — Enteric Fever — Simple continued Fever	22	29	26	49	49	79	51	42	29	35	41·1	10 18 10	.. 3 4	2 7 5	4 7 1	4 2 3	.. 1 1	.. 1 ..
	9. Erysipelas	7	9	3	7	5	6	7	4	1	7	5·6	6	1	1	2	3	..	..
	10. Puerperal Fever (Metria)	2	3	3	3	2	2	4	4	2	2	2·7	2	..	..	2	..	..	..
	11. Carbuncle	..	2	1	2	..	..	..	..	..	1	·6	..	..	..	..	..	..	..
	12. Influenza	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	13. Dysentery	3	3	4	4	3	2	5	2	2	2	3·0	1	..	..	..	..	..	1
	14. Diarrhœa	34	22	26	20	25	62	187	43	16	66	50·1	28	21	23	1	..	3	1
	15. Simple Cholera	1	..	3	..	..	2	11	1	..	8	2·6	..	..	..	..	..	..	..
	16. Ague	..	1	2	..	..	..	..	..	1	..	·4	1	..	..	1	..	..	..
	17. Remittent fever	2	3	..	6	1	5	1	..	..	..	1·8	..	..	..	..	..	..	..
	18. Rheumatism	7	4	7	6	12	11	3	8	4	7	6·9	13	..	3	7	3	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	3	..	1	·4	1	1	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	7	2	10	2	3	7	7	8	7	8	6·1	9	9	9	..	..	..	..
	2. Stricture of Urethra	1	1	1	2	1	..	2	..	2	1	1·1	3	..	..	1	2	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	2	..	..	1	..	..	·3	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	2. Want of Breast-milk	9	4	6	6	5	5	13	13	7	12	8·0	12	12	12	..	..	..	..
	3. Purpura and Scurvy	1	..	3	3	4	1	1	2	2	1	1·8	4	2	2	2	..	..	..
	4. Alcoholism *a* Del. Tremens	2	2	..	3	4	4	3	1	2	1	2·2	..	..	..	..	..	..	..
	4. Alcoholism *b* Intemperance	1	..	2	1	3	3	4	2	1	1	1·8	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	2	2	..	6	1	3	2	5	2	5	2·8	1	1	1	..	..	..	..
	2. Worms, &c.	..	..	1	..	..	..	1	..	..	..	·2	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	..	4	..	..	1	..	1	1	3	1·1	3	..	..	..	..	3	..
	2. Dropsy	16	7	10	13	8	14	16	23	9	9	12·5	14	1	2	..	7	4	1
	3. Cancer	24	23	29	25	30	26	23	23	36	33	27·2	27	..	..	3	14	10	..
	4. Cancrum Oris (Noma)	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	5. Mortification	1	2	4	3	2	1	..	1	3	..	1·7	5	..	..	..	..	3	2
	ORDER 2.																		
	1. Scrofula	8	5	8	3	9	8	10	6	9	9	7·5	9	8	8	..	1	..	..
	2. Tabes Mesenterica	12	13	22	16	17	14	22	22	15	27	18·0	32	31	31	1	..	..	..
	3. Phthisis	164	139	127	151	137	163	176	180	176	169	158·2	197	8	29	98	59	11	..
	4. Hydrocephalus	23	25	33	19	28	35	29	32	14	34	27·2	36	29	36	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	9	11	10	6	14	19	17	13	13	13	12·5	21	12	19	..	2	..	..
	2. Apoplexy	22	41	16	28	35	30	34	31	37	23	29·7	28	4	4	..	9	14	1
	3. Paralysis	18	21	25	24	24	23	24	31	22	28	24·0	20	..	..	3	6	10	1
	4. Insanity	3	..	5	1	3	2	1	5	1	2	2·3	1	..	..	..	..	..	1
	5. Chorea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	6. Epilepsy	6	5	2	11	11	3	7	8	3	8	6·4	13	1	5	4	2	2	..
	7. Convulsions	30	39	38	39	29	44	44	42	29	40	37·4	55	54	54	..	..	1	..
	8. *Brain Disease, &c.*	8	22	22	16	11	17	23	16	19	12	16·6	14	3	5	3	3	2	1
	ORDER 2.																		
	1. Pericarditis	2	..	1	5	4	..	..	3	1	..	1·6	2	..	1	1	..	..	..
	2. Aneurism	1	1	2	3	..	3	3	..	1	2	1·6	6	..	..	3	2	1	..
	3. *Heart Disease, &c.*	34	48	52	56	49	43	72	55	52	56	51·7	90	..	7	11	29	43	..
	ORDER 3.																		
	1. Laryngitis	2	3	1	5	7	9	1	6	1	2	3·7	7	4	5	..	2	..	..
	2. Bronchitis	54	58	62	64	61	75	52	89	76	60	65·1	108	48	48	4	15	36	5
	3. Pleurisy	4	2	6	2	2	2	1	..	4	4	2 7	8	1	3	4	1	..	..
	4. Pneumonia	32	32	60	47	48	58	25	61	41	52	45·6	64	39	45	5	11	3	..
	5. Asthma	4	4	5	10	5	6	4	..	7	4	4·9	11	..	..	1	4	5	1
	6. *Lung Disease, &c.*	2	9	5	7	10	8	6	7	4	11	6·9	10	5	5	..	2	2	1
	ORDER 4.																		
	1. Gastritis	4	1	..	3	1	5	2	2	..	..	1·8	3	2	2	..	..	1	..
	2. Enteritis	2	3	6	7	6	5	12	..	3	10	5·4	6	1	1	..	3	2	..
	3. Peritonitis	3	1	4	7	3	5	5	4	2	8	4·2	3	1	2	..	..	1	..
	4. Ascites	1	1	1	2	..	..	4	..	3	2	1·4	1	..	..	..	..	1	..
	5. Ulceration of Intestines	4	4	4	1	6	3	2	2	2	4	3·2	2	..	..	..	1	1	..
	6. Hernia	..	4	5	2	..	2	1	3	5	3	2·5	2	..	..	..	1	..	1
	7. Ileus	3	5	4	1	3	2	1	6	3	1	2 9	2	..	..	..	..	2	..
	8. Intussusception	1	1	1	..	..	..	..	2	1	1	·7	3	1	1	..	..	2	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

n the TWENTY-FIFTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, June 25 1859	June 23 1860	June 22 1861	June 21 1862	June 20 1863	June 25 1864	June 24 1865	June 23 1866	June 22 1867	June 20 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, June 26, 1869. Deaths of Persons of the Ages: ALL AGES. Mean Temp.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	60°0	56°6	62°9	54°9	58°8	58°5	61°1	58°1	55°3	65°4	59°2	54°3						
	9. Stricture of Intestines	1	..	..	..	..	2	1	2	1	2	·9	..	..	..	..	..	..	..
	10. Fistula	3	..	1	..	..	..	..	..	..	1	·5	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	6	5	7	6	2	6	6	6	3	7	5·4	3	1	1	..	1	1	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	7	2	8	4	3	3	5	1	4	3	4·0	3	..	..	..	2	..	1
	14. Jaundice	1	5	2	4	8	10	2	5	7	5	4·9	5	3	3	..	..	1	1
	15. *Liver Disease, &c.*	13	14	18	10	11	20	14	22	17	17	15·6	21	2	2	4	11	4	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	1	..	2	1	..	·4	1	..	..	..	..	1	..
	ORDER 5.																		
	1. Nephritis	2	1	..	1	..	..	2	1	2	1	1·0	1	1	1	..	..	..	..
	2. Ischuria	..	..	1	1	..	..	..	2	..	..	·4	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	10	5	7	10	11	4	13	8	5	5	7·8	12	..	1	3	6	2	..
	4. Diabetes	2	..	..	4	1	1	4	1	2	4	1·9	4	..	..	3	1	..	..
	5. Calculus (Stone)	2	1	..	..	..	..	..	1	..	1	·5	1	..	..	..	1	..	..
	6. Cystitis	..	2	2	1	1	1	2	1	1	..	1·1	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	9	6	8	5	5	6	6	7	8	9	6·9	11	1	1	5	1	4	..
	ORDER 6.																		
	1. Ovarian Dropsy	..	..	1	4	2	1	..	1	1	..	1·0	1	..	..	..	..	1	..
	2. *Uterus Disease, &c.*	4	3	6	2	7	4	3	3	2	5	3·9	3	..	..	2	1	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	4	5	4	3	1	6	4	4	2	13	4·6	3	..	..	2	1	..	..
	ORDER 8.																		
	1. Phlegmon	..	1	1	..	1	4	..	1	..	6	1·4	2	2	2	..	..	..	..
	2. Ulcer	..	1	1	3	1	..	1	..	2	..	·9	2	..	..	..	..	2	..
	3. *Skin Disease, &c.*	..	..	2	1	3	3	3	1	1	..	1·4	1	1	1	..	..	..	..
V.	ORDER 1.																		
	1. Premature Birth	17	13	14	18	12	16	20	18	23	22	17·3	26	26	26	..	..	..	..
	2. Cyanosis	..	2	2	..	1	4	2	1	1	3	1·6	5	5	5	..	..	..	..
	3. Spina Bifida	1	..	2	1	1	..	..	..	..	..	·5	4	4	4	..	..	..	..
	4. Other Malformations	1	..	..	4	4	3	2	2	..	..	1·6	1	1	1	..	..	..	..
	5. Teething	10	10	21	11	11	14	13	10	10	15	12·5	11	11	11	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	1	2	..	..	..	..	..	..	..	·3	1	..	..	1	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	2	4	1	7	9	8	5	6	6	6	5·4	4	..	..	3	1	..	..
	ORDER 3.																		
	1. Old Age	39	34	46	24	52	50	41	46	38	45	41·5	41	..	..	..	..	25	16
	ORDER 4.																		
	1. Atrophy and Debility	49	49	40	47	36	54	89	55	57	54	53·0	59	50	50	..	2	7	..
V.	ORDER 1. (ACCIDENT OR NEGLIGENCE.)																		
	1. Fractures and Contusions	13	16	12	8	12	5	13	11	12	14	11·6	21	7	8	6	3	3	1
	2. Wounds	..	..	..	..	..	1	2	..	..	..	·3	..	..	..	..	..	..	..
	3. Burns and Scalds	4	4	6	6	8	6	5	3	1	1	4·4	3	2	3	..	..	..	..
	4. Poison	..	..	..	1	..	2	..	2	4	2	1·1	2	..	2	..	..	..	..
	5. Drowning	8	4	5	6	9	8	6	9	9	6	7·0	4	1	3	..	..	1	..
	6. Suffocation	3	5	2	5	7	6	4	4	6	9	5·1	8	7	7	..	1	..	..
	7. Otherwise	2	..	1	2	2	2	4	4	5	5	2·7	3	1	2	..	..	1	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	1	1	2	4	4	1	4	2	..	1	2·0	3	2	2	..	1	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	1	1	1	..	1	·4	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	2	2	1	2	2	..	1	2	2	1	1·5	2	..	..	1	1	..	..
	2. Poison	..	2	1	1	1	1	..	..	1	..	·7	1	..	..	1	..	..	..
	3. Drowning	5	3	1	1	..	..	..	1	..	1	1·2	1	..	..	1	..	..	..
	4. Hanging	2	1	2	4	2	2	1	..	2	1	1·7	..	..	..	..	..	..	..
	5. Otherwise	1	..	1	..	..	1	..	1	1	..	·5	1	..	..	1	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	1	·1	1	..	..	..	1	..	..
	Sudden Deaths (Cause unascertained)	2	2	5	8	3	4	1	2	3	..	3·0	..	..	..	..	..	..	..
	Causes not specified or ill-defined	7	10	10	42	11	1	5	4	35	3	12·8	2	..	..	..	..	2	..

emorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 26th June 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
June.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	20	..	29·865	62·1	41·4	20·7	50·5	44·3	101·0	40·5	56·0	53·9	6·2	13·1	0·0	— 9·0	80	NE.	NNE.	1·6	0·0	0·1	246	0·03	2
Monday . .	21	..	29·877	54·9	46·0	8·9	49·2	46·9	66·5	41·8	56·4	54·4	2·3	5·2	0·0	—10·7	92	N., WSW., & NW.	NW. & N.	0·6	0·0	0·0	146	0·12	0
Tuesday .	22	..	30·028	62·8	49·1	13·7	53·6	49·5	92·1	48·0	57·4	55·4	4·1	11·3	0·0	— 6·7	86	W. & N.	Calm & N.	0·2	0·0	0·0	91	0·00	0
Wednesday	23	..	30·056	67·8	47·4	20·4	55·7	49·2	117·1	46·9	57·4	55·9	6·5	14·4	1·0	— 5·0	79	Variable	NW. & N.	0·7	0·0	0·0	146	0·00	0
Thursday.	24	Full Greatest Dec. S.	29·989	68·9	44·4	24·5	54·9	53·1	99·5	40·0	57·4	54·4	1·8	11·9	0·0	— 6 3	94	WSW.	N.&NNE.	0·3	0·0	0·0	135	0·05	0
Friday . .	25	..	29·984	70·9	49·9	21·0	58·1	52·1	122·3	45·3	57·7	55·4	6·0	16·9	0·4	— 3·5	81	NNE.	ENE.& E.	0·7	0·0	0·0	164	0·00	3
Saturday.	26	..	29·967	73·4	47·2	26·2	58·3	49·4	132·0	38·5	58·4	56·4	8·9	19·6	0·4	— 3·4	72	NE.	ESE.	2·0	0·0	0·1	192	0·00	4
Means . .		..	29·967	65·8	46·5	19·3	54·3	49·2	104·4	43·0	57·2	55·1	5·1	13·2	0·3	— 6·4	83	N.& NNE.		..	..	..	Sum 1120	Sum 0·20	1·3
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. June.		Electricity.	Sky and Atmosphere.
Sunday .	20	No electricity was shown.	Generally cloudy. Occasional showers of rain in the afternoon.
Monday .	21	Weak positive was shown at night.	Overcast. Rain fell frequently.
Tuesday .	22	No electricity was shown.	Overcast. Fog was prevalent throughout the morning.
Wednesday	23	The insulating lamp was out.	Haze and light clouds prevailed till evening; the sky was afterwards cloudless, but haze and thin fog were prevalent.
Thursday .	24	The insulating lamp was lighted at noon; no electricity was shown afterwards.	Cloudless, but very hazy and foggy in the early morning; later in the morning the sky became overcast, and continued so till evening; fog remaining prevalent in low grounds until the afternoon. Occasional showers of rain fell in the afternoon; very fine and generally clear at night.
Friday .	25	No electricity was shown.	A fine day; partially cloudy.
Saturday .	26	The insulating lamp was not burning.	A very fine day; a little cloud generally prevailed.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·80 in. at the beginning of the week to 29·89 in. by 9h. P.M. on the 20th; decreased to 29·85 in. by 9h. A.M. on the 21st; increased to 30·08 in. by 9h. A.M. on the 23d; decreased to 29·98 in. by 3h. P.M. on the 25th; and was 30·00 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 26. 1869. Vol. XXX.] Week ending Saturday, July 3. [Price 1*d.*

General Register Office, Somerset House, 5th July 1869.

In the week that ended on Saturday, 3d July, 4406 births, and 2738 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 22 per 1000 persons living.

The annual rate of mortality last week was 20 per 1000 in London, 32 in Edinburgh, and 20 in Dublin; 17 in Bristol, 19 in Birmingham, 27 in Liverpool, 22 in Manchester, 23 in Salford, 18 in Sheffield, 20 in Bradford, 20 in Leeds, 20 in Hull, 18 in Newcastle-upon-Tyne, and 33 in Glasgow.

The Registrar General has been favoured by His Excellency the Prefect with the Weekly Return for Paris. The estimated population of that city is 1,889,842; the deaths registered in the week that ended on Saturday last were 840. Scarlet fever, measles, and diarrhœa were less fatal in Paris than in London; small-pox was, however, considerably more fatal.

In Paris the annual rate of mortality in the week ending last Saturday (3d July) was 23 per 1000. The rate in Berlin during the seven days ending 1st instant was 34 per 1000, and in Vienna 30 per 1000 during the week ending 26th ultimo.

In London the births of 1046 boys and 973 girls, in all 2019 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2135.

The deaths registered in London during the week were 1231. It was the twenty-sixth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1327. The deaths in the present return are less by 96 than the estimated amount.

The deaths from zymotic diseases were 305, the corrected average number being 357. Four deaths from small-pox, 22 from measles, 75 from scarlet fever, 4 from diphtheria, 90 from whooping-cough, 12 from typhus fever, 14 from enteric fever, 14 from simple continued fever, and 20 from diarrhœa were registered.

The son of a brush-maker, aged 3 years, died on 24th June at 3 Edward-street, Mile-end Old Town East, from "convulsions and scarlet fever, accelerated by bad sanitary arrangements." *Post mort.* (*Inquest.*)

The deaths from scarlet fever exhibit an increase on the numbers returned in many previous weeks.

One hundred and seventy-four deaths occurred from phthisis, 85 from bronchitis, and 61 from pneumonia.

The deaths of 6 persons from alcoholism, of 4 infants from syphilis, of 5 persons from drowning, of 3 infants and one adult from suffocation, and of 8 persons who committed suicide were recorded.

A gentlewoman died on 30th June at Pembridge-place, Kensington, at the age (as stated) of 100 years.

A working silversmith, aged 38 years, and his wife, aged 39 years, committed suicide by taking prussic acid on 28th June at 15 Hosier-lane, West Smithfield, City; they had previously poisoned, with prussic acid, their six children, aged respectively 13 years, 11 years, 6 years, 5 years, 3 years, and one year.

The following deaths of 5 persons who were killed by horses or vehicles in the streets were registered:—

The daughter of a hatter, aged 4 years, "run over by a van." Died on 26th June in Portugal-street, Strand. (*Inquest.*)

The daughter of a compositor, aged 18 months, "fracture of skull, run over by a cart." Died on 27th June in St Bartholomew's Hospital. (*Inquest.*)

The daughter of a tin plate worker, aged 3 years, "fracture of skull, run over by a hansom cab." Died on 25th June in Castle-street, Marylebone. *Post mort.* (*Inquest.*)

A drayman, aged 22 years, "fracture of skull, fell from a van." Died on 27th June in the Middlesex Hospital. *Post mort.* (*Inquest.*)

The daughter of a carman, aged 2 years, "run over." Died on 24th June at Key's-buildings, Bow-common. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 30·055 in. The barometrical reading increased from 30·00 in. at the beginning of the week to 30·15 in. on Monday, 28th June. The mean temperature of the air in the week was 56·9°, which is 4·4° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 75·0° on Sunday, 27th June. The lowest night temperature was 42·°6 on Tuesday, 29th June. The entire range of temperature in the week was, therefore, 32·4°. The mean of the highest temperatures of the water of the Thames was 60·0°; that of the lowest was 57·9°. The difference between the mean dew-point temperature and air temperature was 8·5°. The mean degree of humidity of the air was 73, complete saturation being represented by 100. No rain fell. The general direction of the wind was N.E. and N.N.E.

The mean temperature of the air in the last five weeks was 53·3°, 59·0°, 51·3°, 54·3°, and 56·9°. In the corresponding weeks of ten previous years the average mean temperature was 56·8°, 58·2°, 57·8°, 59·2°, and 60·4°. The lowest mean temperature recorded in the twenty-sixth week of the years 1859–68 was 56·2° in the year 1862, and the highest was 66·3° in the year 1866.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 170,663 cubic metres, and at Barking 162,687 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Twenty-sixth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1790	1731	1904	1807	1959	1999	1969	1919	2160	2169	1940·7	2019
Males . .	883	859	963	897	1025	1051	1004	982	1084	1122	987·0	1046
Females .	907	872	941	910	934	948	965	937	1076	1047	953·7	973
Total Deaths	1024	1031	1092	1066	1158	1297	1455	1400	1118	1454	1206·5	1231*
Males . .	530	511	594	540	619	663	747	694	603	767	626·8	654
Females .	494	490	498	526	539	634	708	706	515	687	579·7	577

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Apr. 10	Apr. 17.	Apr. 24.	May 1.	May 8.	May 15.	May 22.	May 29.	June 5.	June 12.	June 19.	June 26.	July 3.
Deaths - - - - -	1550	1595	1377	1288	1421	1279	1281	1276	1355	1305	1236	1381	1231
Deaths under 5 years of age -	601	662	614	563	616	536	528	517	532	553	549	590	528
Deaths under 20 years of age	698	772	696	656	721	631	634	613	637	661	652	693	642
Deaths 20—40 - - -	215	235	199	183	209	208	184	184	196	194	170	204	172
Deaths 40—60 - - -	260	254	211	211	236	210	231	202	258	212	196	227	196
Deaths at 60 years of age and upwards - - -	377	334	271	238	255	230	232	277	264	238	218	257	221
Deaths from Small-pox -	4	2	4	8	3	4	3	8	3	8	3	1	4
„ „ Measles - -	34	28	18	20	21	24	22	23	24	28	28	23	22
„ „ Scarlet Fever -	39	41	38	42	53	56	45	45	62	54	60	65	75
„ „ Diphtheria -	5	3	6	4	7	6	5	6	3	3	6	6	4
„ „ Whooping-cough	85	103	97	81	91	87	97	92	89	96	93	76	90
„ „ Typhus fever -	17	24	24	19	9	18	7	16	15	12	10	10	12
„ „ Enteric fever -	19	14	19	21	21	16	12	19	15	18	19	18	14
„ „ SimpleContdfever	12	17	10	7	13	8	4	5	6	9	9	10	14
„ „ Diarrhœa - -	12	21	21	10	19	10	15	5	22	11	17	28	20
„ „ Phthisis - -	195	192	184	156	216	169	194	171	200	166	171	197	174
„ „ Bronchitis - -	249	191	147	111	131	117	101	104	115	97	99	108	85
„ „ Pneumonia -	104	95	86	89	85	69	78	75	62	74	59	64	61
„ „ Heart Disease -	65	67	50	59	54	65	75	60	61	65	62	90	45
Mean Temperature of the Air	47°·1	55°·2	50°·3	51°·9	50°·5	51°·2	50°·0	51°·7	53°·3	59°·0	51°·3	54°·3	56°·9
Mean Temperature of the Water of the Thames -	43·8	52·7	52·9	54·7	54·4	54·1	53·3	53·7	53·5	57·3	56·1	56·1	58·9
Humidity of the Air - -	88	81	83	74	88	79	86	79	82	73	80	83	73
Rain-fall in inches - -	0·17	0·46	0·25	0·00	1·28	0·35	0·68	1·12	0·10	0·00	0·84	0·20	0·00

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Lee was not received when the Tables were under preparation, but an average of 4, derived from the returns of six previous weeks, is substituted for the true number, which is 2.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 3d day of July 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 3d July.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 3d July.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4406**	**3244**	**2738**	**80·0**	**38·0**	**57·0**	**0·03**	**3**	**26·67**	**3·33**	**13·89**	**8**
London (Metropolis)	3,170,754	40·7	2070	2019	1462	1231	75·0	42·6	56·9	0·00	0	23·89	5·90	13·83	0
Bristol (City)	169,423	36·1	109	102	76	55 *	76·8	43·7	57·0	0·00	0	24·89	6·50	13·89	0
Birmingham (Borough)	360,846	46·1	283	226	175	134	..	..	..	..	..	..	..	..	..
Liverpool (Borough)	509,052	99·7	345	327	295	263	..	..	..	..	..	..	..	..	..
Manchester (City)	370,892	82·7	277	245	210	153 *	80·0	46·0	58·9	0·00	0	26·67	7·78	14·94	0
Salford (Borough)	119,350	23·1	89	79	60	52	77·5	45·5	58·0	0·00	0	25·28	7·50	14·44	0
Sheffield (Borough)	239,752	10·5	196	167	126	85	74·1	41·0	54·7	0·00	0	23·39	5·00	12·61	0
Bradford (Borough)	138,522	21·0	105	92	71	53	72·1	47·4	56·6	0·00	0	22·28	8·55	13·67	0
Leeds (Borough)	253,110	11·7	189	229	129	99	75·0	43·0	56 8	0·00	0	23·89	6·11	13·78	0
Hull (Borough)	126,682	35·6	83	87	59	48	65·0	38·0	51·2	0·00	0	18·33	3·33	10·56	0
Newcastle-on-Tyne (Borough)	130,503	24·5	90	136	69	46	72·0	44·0	54·7	0·32	32	22·22	6·67	12·51	81
Edinburgh (City)	178,602	40·2	112	122	86	108	72·7	46·0	59·3	0·00	0	22·06	7·78	15·17	0
Glasgow (City)	458,937	90·6	374	402	268	286	74·8	46·7	60·1	0·00	0	23·78	8·17	15·62	0
Dublin (City and some suburbs)	320,762	32·9	219	173	158	125	78·5	42·5	59·4	0·00	0	25·84	5·84	15·22	0
Paris (City)	1,889,842	..	..	..	..	840	..	..	..	..	..	..	..	..	..
				Week ending 26th June 1869.		Week ending 26th June 1869.		Week ending 26th June 1869.					Week ending 26th June 1869.		
Vienna (City)	(1863) 560,000	..	..	..	..	326	..	..	57·9	..	..	..	..	14·38	..
				Week ending 1st July 1869.		Week ending 1st July 1869.		Week ending 1st July 1869.					Week ending 1st July 1869.		
Berlin (City)	(1867) 702,437	..	..	546	..	463	..	..	61·9	..	..	..	..	16·62	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Camm-Lippincott, Esq., Over Court, Bristol: D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 3d July 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2019	1231	4	22	75	4	90	40	20
WEST DISTRICTS -	275	208	-	1	4	1	12	8	5
NORTH DISTRICTS -	524	254	2	2	14	1	26	8	-
CENTRAL DISTRICTS -	204	159	-	2	8	-	4	5	7
EAST DISTRICTS -	423	257	1	5	31	2	24	8	4
SOUTH DISTRICTS -	593	353	1	12	18	-	24	11	4
WEST DISTRICTS.									
St. Mary Paddington *W*H	29	19	-	-	3	-	-	2	-
St. John Paddington H	14	14	-	-	-	-	-	1	-
Kensington Town *W* -	45	25	-	-	-	-	2	1	-
Brompton H - -	15	5	-	-	-	-	-	-	-
St. Peter Hammersmith	7	-	-	-	-	-	-	-	-
St. Paul Hammersmith	16	12	-	-	-	1	1	-	-
Fulham *W* - - -	14	11	-	-	1	-	-	1	1
Chelsea South H - -	11	8	-	-	-	-	2	-	-
Chelsea North-west H*Ww*	21	8	-	1	-	-	2	-	-
Chelsea North-east -	8	9	-	-	-	-	-	-	-
Hanover Square - -	8	7	-	-	-	-	1	-	-
May Fair *W* - -	4	3	-	-	-	-	-	-	-
Belgrave H - - -	29	19	-	-	-	-	-	-	2
St. John Westminster -	20	20	-	-	-	-	1	-	1
St. Margaret. West. *W*H	14	25	-	-	-	-	1	1	1
St. James's Square -	2	4	-	-	-	-	-	1	-
Golden Square *W* -	5	3	-	-	-	-	-	-	-
Berwick-street - -	4	3	-	-	-	-	-	-	-
St. Anne Soho - -	9	13	-	-	-	-	2	1	-
NORTH DISTRICTS.									
All Souls Marylebone H	17	13	-	-	-	-	2	-	-
Cavendish Square - -	7	4	-	-	1	-	1	-	-
Rectory Marylebone *W*	19	19	-	-	-	-	3	-	-
St. Mary Marylebone -	13	5	-	-	1	-	-	-	-
Christchurch Marylebone	24	16	-	-	-	-	3	-	-
St. John Marylebone -	18	11	-	-	1	-	1	-	-
Hampstead *W* - -	19	9	-	-	1	-	1	-	-
Regent's Park Pancras -	26	10	-	1	-	-	-	-	-
Tottenham-court *w*H -	17	14	-	-	-	-	1	-	-
Gray's Inn Lane H -	18	6	-	-	1	-	-	-	-
Somers Town - -	47	9	-	-	-	-	1	-	-
Camden Town *W* -	16	13	-	-	-	-	-	-	-
Kentish Town - -	48	17	-	-	2	-	2	-	-
Islington West* *W*HH	62	44	2	-	2	-	6	8	-
Islington East *Ww* -	95	39	-	-	2	-	4	-	-
Stoke Newington - -	7	1	-	-	-	-	-	-	-
Stamford Hill - -	4	1	-	-	-	-	-	-	-
West Hackney - -	15	5	-	-	1	-	-	-	-
Hackney *W*H*w* - -	32	9	-	-	2	-	1	-	-
South Hackney L -	20	9	-	1	-	1	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	6	8	-	-	-	-	1	-	-
St. Giles South *W* -	17	10	-	-	-	-	-	-	-
St. Giles North - -	12	4	-	-	-	-	-	-	1
Long Acre - - -	8	1	-	-	-	-	-	-	-
Charing Cross *W*H -	6	9	-	-	-	-	-	-	-
St. Mary-le-Strand -	4	1	-	-	-	-	-	-	-
St. Clement Danes H -	6	10	-	-	-	-	1	-	-
St. George-the-Martyr H	11	3	-	-	-	-	-	-	-
St. Andrew, East Holb. *W*	9	6	-	-	-	-	-	-	-
Saffron Hill - - -	7	5	-	1	1	-	-	-	-
St. James Clerkenwell *W*	14	11	-	-	1	-	1	-	2
Amwell Clerkenwell -	11	4	-	-	-	-	-	1	-
Pentonville - - -	7	10	-	-	-	-	-	1	1
Goswell-street - -	7	6	-	-	-	-	-	-	-
Old-street - - -	10	3	-	-	-	-	-	-	-
City-road H L - -	24	8	-	-	2	-	-	-	1
Whitecross-street - -	6	11	-	1	-	-	-	-	1
Finsbury - - - -	7	2	-	-	-	-	-	-	-
St. Botolph East London	12	8	-	-	2	-	1	1	-
Cripplegate - - -	7	1	-	-	-	-	-	-	1
West London North *W*H	4	20	-	-	1	-	-	1	-
West London South -	3	11	-	-	1	-	-	1	-
London City South-west	-	1	-	-	-	-	-	-	-
London City North-west	-	2	-	-	-	-	-	-	-
London City South -	1	-	-	-	-	-	-	-	-
London City South-east	-	2	-	-	-	-	-	-	-
London City North-east	5	2	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	5	6	-	-	1	-	1	-	-
St. Leonard Shrdtch. L†	8	5	-	1	-	-	1	-	-
Hoxton New Town *w* -	28	8	-	-	1	1	-	1	1
Hoxton Old Town - -	22	7	-	-	1	-	1	-	-
Haggerstone West *W* -	16	13	-	-	3	-	-	-	-
Haggerstone East - -	13	9	-	-	2	-	2	-	-
Hackney-road - -	24	10	-	-	2	-	-	1	-
Green. Bthnl. Grn. *W*IIL†	33	15	-	-	2	-	-	-	-
Church, Bethnal Green -	25	11	-	-	1	-	3	-	-
Town, Bethnal Green -	14	9	-	-	2	1	-	-	-
Artillery Whitechapel -	4	-	-	-	-	-	-	-	-
Spitalfields - - -	10	7	1	-	2	-	-	-	-
Mile End New Town *W*	9	8	-	-	1	-	-	-	1
Whitechapel North -	10	8	-	-	-	-	1	-	-
Whitechapel Church H	5	11	-	-	-	-	-	-	-
Goodman's Fields - -	7	4	-	-	-	-	-	1	-
Aldgate - - - -	2	8	-	1	1	-	-	-	1
St. Mary St. Geo. East -	16	2	-	-	-	-	-	-	1
St. Paul St. Geo. East -	7	9	-	-	1	-	2	-	-
St. John St. Geo. East *W*	4	9	-	-	-	-	-	-	-
Shadwell *W* - - -	2	2	-	-	1	-	-	-	-
Ratcliff *W* - - -	9	5	-	-	-	-	-	1	-
Limehouse *W* - -	12	11	-	-	-	-	3	-	-
Mile End Old Town, West	31	17	-	2	3	-	3	1	-
Mile End Old T., East *Ww*	30	21	-	1	2	-	4	2	-
Bow *ww*L† - - -	41	25	-	-	4	-	2	1	-
Poplar *W* - - -	36	17	-	-	1	-	1	1	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	7	-	1	-	-	1	-	-
St. Saviour Southwark H	3	9	-	1	-	-	1	-	-
St. Olave Southwark H	2	14	-	-	1	-	-	-	-
St. John Horsleydown *W*	7	7	-	-	2	-	1	1	-
St. James Bermondsey -	32	18	-	3	-	-	3	-	-
St. Mary Magdalen *W* -	10	6	-	-	-	-	-	-	-
Leather Market - -	14	8	-	-	1	-	1	1	-
Kent-road - -	10	10	-	-	-	-	1	-	-
Borough-road *W* - -	15	8	-	-	-	-	-	-	-
London-road L - -	15	11	-	1	-	-	1	1	1
Trinity Newington -	12	9	-	1	3	-	-	1	-
St. Peter Walworth *W*	35	22	-	1	-	-	2	-	-
St. Mary Newington H	5	5	-	-	1	-	-	-	-
Waterloo-road 1st -	9	9	-	-	2	-	-	-	-
Waterloo-road 2nd -	21	3	-	-	-	-	-	-	-
Lambeth Church 1st -	13	5	-	-	-	-	2	-	1
Lambeth Church 2nd *W*	31	20	-	-	-	-	-	-	1
Kennington 1st - -	22	7	-	-	-	-	-	1	-
Kennington 2nd - -	9	11	-	-	-	-	-	-	-
Brixton - - - -	19	9	-	-	2	-	1	-	-
Norwood *W* - - -	6	6	-	-	-	-	1	-	-
Clapham - - -	13	8	-	-	-	-	2	1	-
Battersea *Ww* - -	43	20	-	-	1	-	-	2	1
Wandsworth L - -	8	9	-	-	-	-	-	1	-
Putney - - - -	3	2	-	-	-	-	-	-	-
Streatham - - -	10	3	-	-	-	-	1	-	-
Dulwich - - -	3	2	-	-	-	-	1	-	-
Camberwell *W*L†L† -	10	17	-	-	-	-	2	-	-
Peckham - - -	35	9	-	-	-	-	-	1	-
St. George Camberwell -	21	14	-	2	-	-	-	-	-
Rotherhithe *W* - -	12	11	1	-	5	-	1	-	-
St. Paul Deptford - -	32	10	-	-	-	-	2	-	-
St. Nicholas Deptford -	3	-	-	-	-	-	-	-	-
Greenwich West H -	15	7	-	-	-	-	-	1	-
Greenwich East *W*H -	9	8	-	-	-	-	-	-	-
Eltham - - - -	-	1	-	-	-	-	-	-	-
Lee - - - - -	6	4	-	-	-	-	-	-	-
Lewisham Village *W* -	8	3	-	-	-	-	-	-	-
Sydenham - - -	16	7	-	2	-	-	-	-	-
Charlton H - - -	4	3	-	-	-	-	-	-	-
Woolwich Dockyard H	7	4	-	-	-	-	-	-	-
Woolwich Arsenal H -	18	4	-	-	-	-	-	-	-
Plumstead, West - -	6	2	-	-	-	-	-	-	-
Plumstead, East - -	11	1	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex - ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the TWENTY-SIXTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 2 1859	June 30 1860	June 29 1861	June 28 1862	June 27 1863	July 2 1864	July 1 1865	June 30 1866	June 29 1867	June 27 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 3, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	63°·5	57°·1	60°·1	56°·2	61°·2	57°·4	59°·5	66°·3	59°·1	63°·6	60°·4	Mean Temp. 56°·9						
	ALL CAUSES . . .	1024	1001	1092	1066	1158	1297	1455	1400	1118	1454	1206·5	1231	528	640	170	196	187	34
	SPECIFIED CAUSES .	1002	992	1079	1053	1146	1288	1434	1381	1101	1444	1192·0	1222	524	636	169	196	187	34
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	281	197	260	258	324	407	461	367	224	466	324·5	305	203	257	15	20	13	..
II.	CONSTITUTIONAL „ .	230	236	263	232	230	266	317	318	280	279	265·1	283	66	90	86	75	32	..
III.	LOCAL „ .	326	379	371	391	423	410	406	471	387	474	403·8	453	152	174	55	93	117	14
IV.	DEVELOPMENTAL „ .	117	135	136	135	132	132	175	161	156	166	144·5	138	89	91	5	1	22	19
V.	VIOLENT DEATHS . .	48	45	49	37	37	73	75	64	54	59	54·1	43	14	24	8	7	3	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	251	183	242	244	304	380	427	340	204	426	300·1	282	188	242	12	17	11	..
	2. ENTHETIC „ . .	4	5	8	4	6	11	11	3	6	10	6·8	5	4	4	..	1	..	..
	3. DIETIC „ . .	23	9	9	10	12	12	21	19	12	22	14·9	14	7	7	3	2	2	..
	4. PARASITIC „ . .	3	..	1	..	2	4	2	5	2	8	2·7	4	4	4	..	..	..	..
II.	1. DIATHETIC „ . .	31	51	43	34	44	55	60	46	49	49	46·2	52	1	2	7	21	22	..
	2. TUBERCULAR „ . .	199	185	220	198	186	211	257	272	231	230	218·9	231	65	88	79	54	10	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	107	118	121	105	153	134	144	151	138	173	134·4	144	56	65	9	28	36	6
	2. „ OF ORGANS OF CIRCULATION .	53	49	49	70	54	50	59	68	62	61	57·5	49	..	6	4	21	16	2
	3. „ OF RESPIRATORY ORGANS . .	96	130	115	140	125	146	117	166	109	151	129·5	177	86	90	17	25	42	3
	4. „ OF DIGESTIVE ORGANS . . .	46	56	54	50	60	48	49	52	45	54	51·4	48	9	11	12	9	13	3
	5. „ OF URINARY ORGANS . . .	11	18	16	15	21	18	24	20	24	21	18·8	20	..	..	9	5	6	..
	6. „ OF ORGANS OF GENERATION .	7	4	4	4	1	4	5	7	3	2	4·1	8	..	..	1	4	3	..
	7. „ OF ORGANS OF LOCOMOTION .	1	2	8	4	4	4	4	5	3	9	4·4	4	1	2	1	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	5	2	4	3	5	6	4	2	3	3	3·7	3	..	..	2	..	1	..
IV.	1. DEV. DISEASES OF CHILDREN	30	32	45	39	48	41	44	38	40	49	40·6	36	36	36	..	..	..	..
	2. „ OF ADULTS .	5	2	5	4	3	3	5	5	2	8	4·2	6	..	..	5	1	..	..
	3. „ OF OLD PEOPLE	30	52	39	40	40	44	41	54	45	38	42·3	34	..	..	..	..	15	19
	4. DISEASES OF NUTRITION .	52	49	47	52	41	44	85	64	69	71	57·4	62	53	55	..	..	7	..
V.	*1 ACCIDENT OR NEGLIGENCE .	36	38	42	32	29	59	63	52	46	46	44·3	27	11	16	5	4	1	1
	3. HOMICIDE	2	4	2	4	1	4	2	5	..	4	2·8	7	3	7	..	..	..	..
	4. SUICIDE	10	3	5	1	7	10	10	7	7	6	6·6	8	..	..	3	3	2	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	1	3	·4	1	..	1	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	3	3	5	4	5	8	5	2	5	1	4·1	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	19	6	8	9	7	1	16	17	12	9	10·4	9†	4	4	1	..	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

† An average of 4 is added, without distinction of ages. See note *, page 214.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 2 1859	June 30 1860	June 29 1861	June 28 1862	June 27 1863	July 2 1864	July 1 1865	June 30 1866	June 29 1867	June 27 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 3, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and
	Mean Temperature	63°·5	57°·1	60°·1	56°·2	61°·2	57°·4	59°·5	66°·3	59°·1	63°·6	60°·4	Mean Temp. 56°·9						
I.	ORDER 1.																		
	1. Small-pox	11	10	1	3	49	8	8	41	15	9	15·5	4	2	4	..	..	..	..
	2. Measles	31	65	20	59	26	81	19	59	19	55	43·4	22	20	22	..	..	..	..
	3. Scarlet Fever (Scarlatina)	42	23	27	49	89	54	47	34	29	28	42·2	75	46	74	1	..	..	..
	4. Diphtheria	21	8	16	9	12	15	9	7	7	8	11·2	4	2	4	..	..	..	..
	5. Quinsy	2	..	4	1	..	..	1	2	1	1	1·2	..	..	..	..	..	..	..
	6. Croup	10	7	13	13	15	19	12	8	6	15	11·8	7	6	7	..	..	..	..
	7. Whooping-cough	21	25	75	27	29	33	48	57	28	65	40·8	90	88	90	..	..	..	..
	8. Typhus	29	15	31	47	40	66	63	38	33	42	40·4	12	..	3	..	7	2	..
	— Enteric Fever												14	3	10	2	1	1	..
	— Simple continued Fever												14	3	8	3	3	..	..
	9. Erysipelas	6	5	3	1	3	7	5	6	2	4	4·2	8	3	3	1	1	3	..
	10. Puerperal Fever (Metria)	3	1	..	..	1	6	8	2	5	..	2·6	2	..	..	1	1	..	..
	11. Carbuncle	..	1	..	..	2	..	1	1	..	..	·5	..	..	..	..	..	..	..
	12. Influenza	..	1	..	..	..	1	..	1	..	..	·3	..	..	..	..	..	..	..
	13. Dysentery	3	4	4	4	1	3	3	1	1	3	2·7	2	..	..	1	..	1	..
	14. Diarrhœa	58	12	32	24	31	71	184	67	48	171	69·8	20	15	15	1	2	2	..
	15. Simple Cholera	2	..	3	1	2	6	11	6	3	18	5·2	..	..	..	..	..	..	..
	16. Ague	2	1	..	..	..	1	2	..	..	..	·6	..	..	..	..	..	..	..
	17. Remittent Fever	2	..	2	3	1	1	2	2	1	..	1·4	..	..	..	..	..	..	..
	18. Rheumatism	8	5	11	3	3	8	4	8	5	6	6·1	7	..	1	2	2	2	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	1	1	·2	1	..	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	4	4	8	3	5	10	8	3	5	10	6·0	4	4	4	..	..	..	..
	2. Stricture of Urethra	..	1	..	1	1	1	3	..	1	..	·8	1	..	..	..	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	..	..	..	..	3	1	..	·4	..	..	..	..	..	..	..
	2. Want of Breast-milk	11	3	6	6	9	6	15	15	8	16	9·5	5	5	5	..	..	..	..
	3. Purpura and Scurvy	1	2	2	1	1	3	2	1	3	3	1·9	3	2	2	..	..	1	..
	4. Alcoholism (*a* Del. Tremens)	5	4	1	3	2	3	1	..	..	2	2·1	5	..	..	2	2	1	..
	4. Alcoholism (*b* Intemperance)	6	..	..	..	..	..	3	..	..	1	1·0	1	..	..	1	..	..	..
	ORDER 4.																		
	1. Thrush	3	..	1	..	..	4	2	5	2	8	2·5	4	4	4	..	..	..	..
	2. Worms, &c.	..	..	..	..	2	..	..	..	..	..	·2	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	..	..	1	..	3	3	2	2	4	2	1·7	2	..	..	..	1	1	..
	2. Dropsy	10	13	10	8	10	18	14	15	10	10	11·8	15	1	2	..	6	7	..
	3. Cancer	14	35	27	25	26	29	38	27	29	35	28·5	33	..	..	7	13	13	..
	4. Cancrum Oris (Noma)	..	..	..	1	1	2	1	..	..	1	·6	..	..	..	..	..	..	..
	5. Mortification	7	3	5	..	4	3	5	2	6	1	3·6	2	..	..	..	1	1	..
	ORDER 2.																		
	1. Scrofula	6	9	11	11	6	5	11	18	9	10	9·6	10	6	8	2	..	..	..
	2. Tabes Mesenterica	14	16	21	13	14	23	40	22	15	21	19·9	19	19	19	..	..	..	..
	3. Phthisis	144	136	160	147	141	149	170	196	185	165	159·3	174	14	33	77	54	10	..
	4. Hydrocephalus	35	24	28	27	25	34	36	36	22	34	30·1	28	26	28	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	16	10	12	9	11	7	16	14	12	22	12·9	17	11	17	..	..	..	..
	2. Apoplexy	23	21	19	32	35	34	33	38	42	34	31·1	37	1	2	3	15	14	..
	3. Paralysis	10	24	28	15	25	18	19	26	28	23	21·6	23	..	..	1	6	14	..
	4. Insanity	1	3	3	3	2	2	1	6	3	3	2·7	4	..	..	1	..	2	..
	5. Chorea	..	..	..	..	..	..	1	..	..	..	·1	1	..	1	..	..	..	..
	6. Epilepsy	9	5	7	6	9	5	3	6	3	7	6·0	3	1	1	..	..	2	..
	7. Convulsions	34	40	36	28	47	45	49	39	32	67	41·7	42	41	41	1	..	..	..
	8. *Brain Disease, &c.*	14	15	16	12	24	23	22	22	18	17	18·3	17	2	3	3	7	4	..
	ORDER 2.																		
	1. Pericarditis	1	1	2	2	4	3	4	4	2	..	2·3	4	..	2	1	1	..	..
	2. Aneurism	2	..	1	2	3	2	4	2	3	2	2·1	..	..	..	..	..	..	..
	3. *Heart Disease, &c.*	50	48	46	66	47	45	51	62	57	59	53·1	45	..	4	3	20	16	..
	ORDER 3.																		
	1. Laryngitis	6	2	10	7	3	6	1	5	1	1	4·2	4	3	3	1	..	..	..
	2. Bronchitis	44	53	55	60	55	65	56	82	57	73	60·0	85	38	39	2	13	28	..
	3. Pleurisy	5	5	2	3	4	4	3	1	1	3	3·1	2	..	..	1	1	..	..
	4. Pneumonia	32	49	37	62	55	57	48	61	38	57	49·6	61	39	41	9	5	6	..
	5. Asthma	4	6	2	3	4	4	2	3	3	6	3·7	6	..	..	2	2	2	..
	6. *Lung Disease, &c.*	5	15	9	5	4	10	7	14	9	11	8·9	19	6	7	2	4	6	..
	ORDER 4.																		
	1. Gastritis	2	1	2	2	..	1	1	2	1	1	1·3	3	..	..	1	1	..	..
	2. Enteritis	8	6	9	5	9	1	9	2	6	6	6·1	3	1	1	..	2	..	..
	3. Peritonitis	4	5	1	4	4	3	2	6	3	4	3·6	2	2	2	..	..	..	..
	4. Ascites	2	3	2	4	2	1	5	2	1	..	2·2	4	1	1	2	..	..	..
	5. Ulceration of Intestines	3	3	1	2	1	..	2	4	1	3	2·0	3	1	1	2	..	..	..
	6. Hernia	1	4	3	1	4	4	..	4	2	5	2·4	3	..	..	..	..	3	..
	7. Ileus	1	3	5	6	5	3	3	3	2	2	3·4	2	..	..	..	1	1	..
	8. Intussusception	..	2	1	..	1	2	..	..	1	1	1·1	2	1	1	..	1	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," or

the TWENTY-SIXTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 2 1859	June 30 1860	June 29 1861	June 28 1862	June 27 1863	July 2 1864	July 1 1865	June 30 1866	June 29 1867	June 27 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 3, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	63°·5	57°·1	60°·1	56°·2	61°·2	57°·4	59°·5	66°·3	59°·1	63°·6	60°·4	56°·9						
	9. Stricture of Intestines	..	2	2	..	2	1	..	..	1	..	·8	1	..	..	..	..	1	..
	10. Fistula	..	..	1	..	1	..	..	..	1	..	·3	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	7	3	5	8	5	9	5	4	3	6	5·5	5	2	3	..	..	1	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	4	5	2	2	4	3	5	4	4	4	3·7	3	..	..	2	..	1	..
	14. Jaundice	6	4	5	1	3	7	4	3	1	7	4·1	3	1	1	1	..	1	..
	15. *Liver Disease, &c.*	8	15	15	15	18	12	13	18	15	15	14·4	13	..	1	3	4	5	..
	16. *Spleen Disease, &c.*	..	..	..	..	1	1	..	..	3	..	·5	1	..	..	1	..	..	..
	ORDER 5.																		
	1. Nephritis	2	1	1	..	..	1	..	..	3	1	·9	1	..	..	1	..	..	..
	2. Ischuria	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	2	6	7	10	11	8	9	10	10	10	8·3	10	..	..	3	3	4	..
	4. Diabetes	1	2	1	..	1	..	..	3	..	..	·8	1	..	..	1	..	..	..
	5. Calculus (Stone)	1	2	2	..	2	..	..	1	..	..	·8	..	..	..	..	..	..	..
	6. Cystitis	..	2	2	1	1	1	2	..	2	2	1·3	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	5	5	3	4	6	8	13	5	9	8	6·6	8	..	..	4	2	2	..
	ORDER 6.																		
	1 Ovarian Dropsy	..	..	2	2	..	1	1	..	1	..	·7	2	..	..	..	1	1	..
	2. *Uterus Disease, &c.*	7	4	2	2	1	3	4	7	2	2	3·4	6	..	..	1	3	2	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	1	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	1	2	7	3	4	4	4	5	3	9	4·2	4	1	2	1	1	..	..
	ORDER 8.																		
	1. Phlegmon	..	1	1	..	1	..	..	..	1	..	·4	1	..	..	1	..	..	..
	2. Ulcer	..	1	3	1	3	4	2	1	2	1	1·8	2	..	..	1	..	1	..
	3. *Skin Disease, &c.*	5	..	..	2	1	2	2	1	..	2	1·5	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	11	14	28	20	24	22	22	18	23	21	20·3	20	20	20	..	..	..	..
	2. Cyanosis	1	..	..	3	4	1	4	2	..	3	1·8	4	4	4	..	..	..	..
	3. Spina Bifida	2	2	..	1	2	1	..	..	2	1	1·1	..	..	..	..	..	..	..
	4. Other Malformations	1	2	2	5	1	1	..	1	2	1	1·6	1	1	1	..	..	..	..
	5. Teething	15	14	15	10	17	16	18	17	13	23	15·8	11	11	11	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	5	2	4	4	3	3	5	5	2	8	4·1	6	..	..	5	1	..	..
	ORDER 3.																		
	1. Old Age	30	52	39	40	40	44	41	54	45	38	42·3	34	..	..	..	..	15	19
	ORDER 4.																		
	1. Atrophy and Debility	52	49	47	52	41	44	85	64	69	71	57·4	62	53	55	..	..	7	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	17	19	16	16	14	29	36	18	20	23	20·8	15	7	8	2	3	1	1
	2. Wounds	1	..	..	..	1	1	..	2	1	..	·6	1	..	..	1	..	..	..
	3. Burns and Scalds	4	..	6	3	1	8	4	2	3	1	3·2	1	1	1	..	..	..	..
	4. Poison	1	1	2	2	..	3	..	..	1	1	1·1	1	..	..	..	1	..	..
	5. Drowning	8	9	11	5	6	5	12	17	6	13	9·2	5	..	4	1	..	..	..
	6. Suffocation	5	7	7	5	6	12	9	5	11	5	7·2	4	3	3	1	..	..	..
	7. Otherwise	..	2	..	1	1	1	2	8	4	3	2·2	..	..	..	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	4	2	4	1	4	2	5	..	4	2·8	7	1	7	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	1	..	..	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	4	1	..	..	1	2	2	2	1	..	1·3	1	..	..	..	1	..	..
	2. Poison	1	..	1	1	1	3	2	1	1	2	1·3	3	..	..	3	..	..	..
	3. Drowning	..	1	1	..	2	3	1	..	1	..	·9	..	..	..	..	..	..	..
	4. Hanging	4	1	2	..	1	2	4	3	3	3	2·3	4	..	..	..	2	2	..
	5. Otherwise	..	..	1	..	2	..	1	1	..	1	·6	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	1	3	·4	1	..	1	..	..	..	..
	Sudden Deaths (Cause unascertained)	3	3	5	4	5	8	5	2	5	1	4·1	..	..	..	..	..	..	..
	Causes not specified or ill-defined	19	6	8	9	7	1	16	17	12	9	10·4	9†	4	4	1	..	..	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 4 is added, without distinction of ages. See note *, page 214.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 3d July 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
June. Sunday	27	..	30·074	75·0	45·1	29·9	60·7	49·7	133·4	40·7	59·4	57·4	11·0	22·1	1·1	— 0·9	67	NE.	E. & NE.	0·7	0·0	0·1	140	0·00	4
Monday	28	..	30·121	67·6	49·7	17·9	57·1	46·7	123·0	48·1	59·9	57·4	10·4	17·8	1·7	— 4·4	68	NE.	NNE. & ESE.	2·2	0·0	0·3	264	0·00	3
Tuesday	29	..	30·066	68·5	42·6	25·9	54·6	45·8	129·6	36·8	60·4	58·4	8·8	17·8	2·0	— 6·8	72	NNE.	NNE.	2·7	0·0	0·3	269	0·00	2
Wednesday	30	Apogee	30·061	63·8	48·5	15·3	55·1	46·6	95·7	42·9	60·9	58·4	8·5	14·1	1·7	— 6·0	73	NE.	NNE. & NE.	1·6	0·0	0·3	281	0·00	3
July. Thursday	1	..	30·031	66·9	52·5	14·4	57·1	48·8	107·6	50·7	59·9	58·1	8·3	15·7	4·9	— 3·8	74	N.E.	NNE.	1·8	0·0	0·3	321	0·00	4
Friday	2	Last Quarter In Equator	30·014	67·8	52·1	15·7	56·7	50·4	117·8	50·3	59·4	57·4	6·3	12·6	2·2	— 4·4	79	NNE. & NE.	NE.	1·1	0·0	0·2	306	0·00	5
Saturday	3	..	30·016	69·4	52·3	17·1	57·1	50·9	124·8	52·0	60·4	58·1	6·2	14·8	1·8	— 4·2	80	NE. & ENE.	NE. & ESE.	0·9	0·0	0·0	196	0·00	3
Means		..	30·055	68·4	49·0	19·5	56·9	48·4	118·8	45·9	60·0	57·9	8·5	16·4	2·2	— 4·4	73	NE. & NNE.		..	..	..	Sum 1777	Sum 0·00	3·4
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date.		Electricity.	Sky and Atmosphere.
June. Sunday	27	The insulating lamp was not burning.	A very fine day; very little cloud prevailed throughout.
Monday	28		Partially cloudy. A fine day.
Tuesday	29		A fine day; partially cloudy.
Wednesday	30		Overcast.
July. Thursday	1		Overcast throughout the morning; fine and partially cloudy in the afternoon, again overcast at night.
Friday	2		Overcast generally, with the exception of the afternoon, when the clouds were somewhat broken.
Saturday	3		Overcast during the morning; very fine, with little cloud prevailing, throughout the afternoon; again overcast at night.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 30·00 in. at the beginning of the week to 30·15 in. by 9h. A.M. on the 28th of June; decreased, with slight exception, to 30·00 in. by 3h. P.M. on the 2d of July; increased to 30·04 in. by 9h. A.M. on the 3d; and was 30·00 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 27. 1869. Vol. XXX.] Week ending Saturday, July 10. [Price 1*d.*

General Register Office, Somerset House,
12th July 1869.

In the week that ended on Saturday, 10th July, 4070 births, and 2752 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 22 per 1000 persons living.

The annual rate of mortality last week was 21 per 1000 in London, 33 in Edinburgh, and 16 in Dublin; 20 in Bristol, 16 in Birmingham, 23 in Liverpool, 26 in Manchester, 17 in Salford, 19 in Sheffield, 21 in Bradford, 24 in Leeds, 21 in Hull, 24 in Newcastle-upon-Tyne, and 30 in Glasgow.

In Paris the annual rate of mortality in the week ending last Saturday (10th July) was 22 per 1000. The rate in Vienna was 28 per 1000 during the week ending 3d instant.

In London the births of 1022 boys and 974 girls, in all 1996 children, were registered last week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2037.

The deaths registered in London during the week were 1279. It was the twenty-seventh week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1350. The deaths in the present return are less by 71 than the estimated amount.

The deaths from zymotic diseases were 336, the corrected average number being 409. Four deaths from small-pox, 29 from measles, 85 from scarlet fever, 6 from diphtheria, 69 from whooping-cough, 12 from typhus fever, 18 from enteric fever, 12 from simple continued fever, and 30 from diarrhœa were registered.

The mortality from measles, scarlet fever, diphtheria, fever, and diarrhœa was greater than in the preceding week, but the deaths from whooping-cough exhibit a considerable decrease.

The son of a carman, aged 7 years, died on 2d July at 25 Allen-street, Clerkenwell, from "choleraic diarrhœa (21 hours)."

The daughter of a carman, aged 10 months, died on 5th July at 3 Chapel-street, Spitalfields (Artillery sub-district), from "choleraic diarrhœa."

The son of a dock labourer, aged 8 months, died on 5th July at 9 Sarah-street, Shadwell, from "choleraic diarrhœa (5 days)."

Twenty deaths were recorded in the sub-district of St. James, Clerkenwell; of these one was caused by whooping-cough, one by choleraic diarrhœa, 2 occurred from diarrhœa, 3 from measles, 2 from scarlet fever, and 2 from diphtheria.

One hundred and forty-four persons died from phthisis, 92 from bronchitis, and 52 from pneumonia.

The deaths of 4 persons from delirium tremens, of 8 infants and one adult from syphilis, of 2 children and one adult from burns or scalds, of 5 persons from drowning, of 5 infants from suffocation, and of 6 persons who committed suicide were recorded.

A window cleaner, aged 47 years, committed suicide on 30th June at 18 Holles-street, Clare-market, by taking carbolic acid. *Post mort.* (*Inquest.*)

The following deaths of 2 persons killed by horses or vehicles in the streets were registered:—

The son of a tailor, aged 11 years, "fractured ribs and punctured lung; run over by a hansom cab." Died on 4th July in St. George's Hospital. (*Inquest.*)

The wife of a labourer, aged 30 years, "concussion of the brain; run over by a cart." Died on 28th June in St. Thomas's Hospital. (*Inquest.*)

The expected number of deaths by horses or vehicles in the streets is 105 in 27 weeks; the actual numbers recorded in the 27 weeks of this year are 106. Eight

persons were killed by horses, 3 by carriages, 6 by omnibuses, 15 by cabs, 33 by vans or waggons, and 40 by carts. One person was killed by a dray.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·951 in. The barometrical reading increased from 29·72 in. on Tuesday, 6th July, to 30·24 in. on Saturday, 10th July. The mean temperature of the air in the week was 64·2°, which is 2·5° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 80·0° on Monday, 5th July. The lowest night temperature was 49·1° on Monday, 5th July. The entire range of temperature in the week was, therefore, 30·9°. The mean of the highest temperatures of the water of the Thames was 63·1°; that of the lowest was 61·0°. The difference between the mean dew-point temperature and air temperature was 8·9°. The mean degree of humidity of the air was 73, complete saturation being represented by 100. No rain fell. The general direction of the wind was W.S.W.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 168,815 cubic metres, and at Barking 128,325 cubic metres, equivalent to about as many tons by weight.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of June 1869: thus, according to their account, 103,670,995 gallons or 471,025 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 101·3 decalitres, rather more than a *ton* by weight, to each house, and 14·3 decalitres (= 31·4 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of June, it may be estimated that about 85,201,320 gallons were probably used for domestic purposes, or about 25·8 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	May 1869.	June 1869.	May 1869.	June 1869.
Total Supply	464,001	464,798	99,830,840	103,670,995
From Thames	212,059	212,766	52,606,950	53,447,192
From Lea and from other Sources	251,942	252,032	47,223,890	50,223,803
Thames.				
Chelsea	27,212	27,212	8,662,000	9,019,100
West Middlesex	39,507	39,720	8,363,927	8,257,317
Southwark and Vauxhall	72,409	72,445	14,193,698	14,456,271
Grand Junction	30,295	30,411	10,676,225	11,090,104
Lambeth	42,636	42,978	10,711,100	10,624,400
Lea and other Sources.				
New River	116,132	116,222	22,686,000	24,719,000
East London	97,971	97,971	17,806,000	18,399,000
Kent	37,839	37,839	6,731,890	7,105,803

Note.—The Return for June as compared with that for May shows an increase of 797 houses, and an increase of 3,840,155 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Twenty-seventh Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1618	1667	1747	1715	1937	1876	1993	1950	1919	2093	1851·5	1996
Males	833	879	870	862	995	967	1005	969	982	1050	941·2	1022
Females	785	788	877	853	942	909	988	981	937	1043	910·3	974
Total Deaths	1226	919	1043	1159	1187	1268	1536	1292	1130	1516	1227·6	1279*
Males	618	499	517	599	662	678	810	688	572	773	641·6	6[illegible]3
Females	608	420	526	560	525	590	726	604	558	743	586·0	636

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

* The returns for the sub-districts of Cripplegate, London City South-east, and Green (Bethnal Green) were not received when the tables were under preparation, but averages of 4, 3, and 20 are substituted for the true numbers, which are 8, 1, and 14 respectively.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 10th day of July 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 10th July.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 10th July.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4070**	**3244**	**2752**	**80·0**	**46·0**	**61·5**	**0·22**	**22**	**26·67**	**7·78**	**16·39**	**56**
London (Metropolis)	3,170,754	40·7	2070	1996	1462	1279	80·0	49·1	64·2	0·00	0	26·67	9·50	17·89	0
Bristol (City)	169,423	36·1	109	101	76	65 *	74·0	46·7	61·4	0·33	38	23·33	8·17	16·33	97
Birmingham (Borough)	360,846	46·1	283	217	175	113	75·3	50·5	61·5	0·05	5	24·06	10·28	16·39	13
Liverpool (Borough)	509,052	99·7	345	337	295	220	73·5	53·0	61·4	0·10	10	23·06	11·67	16·33	25
Manchester (City)	370,892	82·7	277	217	210	186 *	79·7	47·0	61·1	0·50	51	26·50	8·33	16·17	127
Salford (Borough)	119,350	23·1	89	72	60	38	74·8	50·1	60·7	0·48	48	23·78	10·06	15·95	122
Sheffield (Borough)	239,752	10·5	196	165	126	86	73·7	50·0	61·5	0·12	12	23·17	10·00	16·39	30
Bradford (Borough)	138,522	21·0	105	102	71	57	75·6	54·1	62·6	0·07	7	24·23	12·28	17·01	18
Leeds (Borough)	253,110	11·7	189	103	129	117	76·0	49·0	63·3	0·00	0	24·44	9·44	17·39	0
Hull (Borough)	126,682	35·6	83	56	59	52	79·0	47·0	61·1	0·14	14	26·11	8·33	16·17	36
Newcastle-on-Tyne (Borough)	130,503	24·5	90	71	69	59	74·0	52·0	60·1	0·12	12	23·33	11·11	15·62	30
Edinburgh (City)	178,002	40·2	112	130	86	114	71·7	49·0	59·3	0·10	10	22·06	9·44	15·17	25
Glasgow (City)	458,937	90·6	374	330	268	265	71·7	50·9	60·1	0·81	82	22·06	10·50	15·62	206
Dublin (City and some suburbs)	320,762	32·9	219	173	158	101	75·6	46·0	62·5	0·19	19	24·23	7·78	16·95	48
Paris (City)	1,889,342	..	..	..	..	787	..	..	..	..	..	..	..	..	..
				Week ending 3d July,1869.		Week ending 3d July 1869.	Week ending 3d July 1869.					W eek ending 3d July 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	304	..	..	64·9	..	..	..	..	18·25	..
				Week ending 8th July 1869.		Week ending 8th July 1869	Week ending 8th July 1869.					Week ending 8th July 1869.			
Berlin (City)	(1867) 702,437	..	..	..	..	..	..	..	..	..	..	..	..	..	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 10th July, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	1996	1279	4	29	85	6	69	42	30
WEST DISTRICTS -	323	214	-	2	10	-	13	6	3
NORTH DISTRICTS -	474	256	1	4	13	2	17	12	6
CENTRAL DISTRICTS	188	180	-	3	11	3	13	6	9
EAST DISTRICTS -	419	291	-	5	32	1	15	11	10
SOUTH DISTRICTS -	592	338	3	15	19	-	11	7	2
WEST DISTRICTS.									
St. Mary Paddington *WH*	41	24	-	-	3	-	2	-	-
St. John Paddington H	18	12	-	-	-	-	-	1	-
Kensington Town *W* -	45	31	-	-	1	-	3	-	-
Brompton H - -	7	9	-	-	-	-	-	-	-
St. Peter Hammersmith	3	2	-	-	-	-	-	-	-
St. Paul Hammersmith	37	11	-	-	1	-	2	-	-
Fulham *W* - - -	18	11	-	-	1	-	1	-	-
Chelsea South H - -	18	8	-	1	-	-	-	-	-
Chelsea North-west H*Ww*	16	15	-	-	-	-	1	1	-
Chelsea North-east -	18	8	-	-	-	-	-	-	-
Hanover Square - -	4	1	-	-	-	-	-	-	1
May Fair *W* - -	3	6	-	-	-	-	-	-	-
Belgrave H - - -	30	30	-	1	1	-	1	2	-
St. John Westminster -	20	14	-	-	-	-	-	1	2
St. Margaret West. *WH*	11	11	-	-	-	-	-	-	-
St. James's Square -	4	1	-	-	-	-	-	-	-
Golden Square *W* -	8	8	-	-	1	-	1	-	-
Berwick-street - -	6	4	-	-	-	-	-	-	-
St. Anne Soho - -	16	8	-	-	2	-	2	1	-
NORTH DISTRICTS.									
All Souls Marylebone H	22	18	-	-	-	-	-	-	1
Cavendish Square - -	8	4	-	-	-	-	-	1	-
Rectory Marylebone *W*	14	15	-	-	-	1	2	-	-
St. Mary Marylebone -	18	7	-	-	-	-	-	-	1
Christchurch Marylebone	24	14	-	-	-	-	1	1	-
St. John Marylebone -	25	8	-	-	-	-	-	-	-
Hampstead *W* - -	8	8	-	-	-	-	-	2	-
Regent's Park Pancras -	18	13	-	-	-	-	-	-	-
Tottenham-court *w*H -	19	18	-	-	-	-	2	-	1
Gray's Inn Lane H -	20	12	-	-	1	-	1	-	-
Somers Town - -	15	12	-	1	1	1	1	1	-
Camden Town *W* -	13	12	-	-	1	-	-	1	1
Kentish Town - -	43	15	-	-	2	-	1	-	1
Islington West* *WHH*	65	27	1	-	2	-	5	4	1
Islington East *Ww* -	81	30	-	-	3	-	2	1	-
Stoke Newington - -	5	1	-	-	-	-	-	-	-
Stamford Hill - -	4	2	-	-	-	-	-	-	-
West Hackney - -	14	9	-	1	-	-	-	-	-
Hackney *WHw* - -	36	18	-	1	1	-	1	1	-
South Hackney L -	22	13	-	1	2	-	1	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	6	6	-	-	-	-	2	-	1
St. Giles South *W* -	19	9	-	-	-	-	1	1	-
St. Giles North - -	3	6	-	-	-	-	-	-	-
Long Acre - - -	4	7	-	-	-	-	-	-	-
Charing Cross *WH* -	2	8	-	-	-	-	-	-	-
St. Mary-le Strand -	6	6	-	-	-	-	1	-	-
St. Clement Danes H -	9	9	-	-	-	-	2	-	-
St. George-the-Martyr H	19	6	-	-	-	-	1	-	-
St. Andrew, East Holb. *W*	7	6	-	-	-	-	-	-	-
Saffron Hill - - -	8	3	-	-	-	-	-	1	-
St. James Clerkenwell *W*	12	20	-	3	2	2	1	-	2
Amwell Clerkenwell -	11	3	-	-	-	-	-	-	-
Pentonville - - -	7	8	-	-	1	-	1	-	2
Goswell-street - -	14	10	-	-	-	-	1	-	-
Old street - - -	10	3	-	-	-	-	1	-	1
City-road HL - -	15	18	-	-	6	-	-	1	1
Whitecross street - -	2	14	-	-	1	-	-	1	1
Finsbury - - -	3	4	-	-	-	-	1	-	-
St. Botolph East London	9	8	-	-	1	1	1	-	1
Cripplegate - - -	8	4	‡	-	-	-	-	-	-
West London North *WH*	2	5	-	-	-	-	-	-	-
West London South -	4	4	-	-	-	-	-	-	-
London City South-west	3	1	-	-	-	-	-	-	-
London City North-west	1	3	-	-	-	-	-	-	-
London City South -	-	3	-	-	-	-	-	-	-
London City South-east	1	3	-	-	-	-	-	-	-
London City North-east	3	3	-	-	-	-	-	2	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	12	9	-	-	2	-	2	1	
St. Leonard Shrdtch. L†	11	13	-	-	1	-	1	-	
Hoxton New Town *w* -	25	19	-	-	1	-	-	2	
Hoxton Old Town - -	19	8	-	-	-	-	-	-	
Haggerstone West *W* -	22	14	-	-	1	-	2	-	
Haggerstone East - -	13	6	-	-	-	-	-	-	
Hackney road - -	21	11	-	-	2	-	-	1	
Green, Bthnl.Grn. *WHL*†	30	20	§	-	-	-	-	-	
Church, Bethnal Green	15	9	-	1	1	-	-	-	
Town, Bethnal Green -	14	10	-	-	1	-	1	1	
Artillery Whitechapel -	7	10	-	-	1	-	-	-	
Spitalfields - - -	11	6	-	-	-	-	-	-	
Mile End New Town *W*	6	11	-	1	1	-	-	-	
Whitechapel North -	8	3	-	-	-	-	-	-	
Whitechapel Church H	5	8	-	-	-	-	-	-	
Goodman's Fields - -	8	4	-	-	-	-	1	-	
Aldgate - - - -	4	3	-	-	-	-	2	-	
St. Mary St. Geo. East -	10	8	-	1	1	-	-	1	
St. Paul St. Geo. East -	13	5	-	-	1	-	1	-	
St. John St. Geo. East *W*	10	5	-	-	1	-	-	-	
Shadwell *W* - - -	8	8	-	-	2	-	-	-	
Ratcliff *W* - - -	7	7	-	-	1	-	-	2	
Limehouse *W* - -	21	3	-	-	2	-	-	-	
Mile End Old Town, West	21	18	-	1	4	-	1	-	
Mile End Old T., East *Ww*	36	28	-	1	3	-	2	2	
Bow *ww*L† - - -	30	29	-	-	4	1	1	-	
Poplar *W* - - -	32	16	-	-	2	-	1	1	
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	12	6	-	1	-	-	1	-	
St. Saviour Southwark H	9	5	-	-	-	-	-	-	
St. Olave Southwark H	-	11	-	-	-	-	-	-	
St. John Horsleydown *W*	4	6	-	-	2	-	-	-	
St. James Bermondsey -	41	15	-	-	-	-	1	-	
St. Mary Magdalen *W*	10	8	-	1	1	-	-	2	
Leather Market - -	11	6	-	1	2	-	-	-	
Kent-road - - -	11	10	1	-	1	-	-	-	
Borough-road *W* - -	11	4	-	1	-	-	-	-	
London-road L - -	11	5	-	-	-	-	-	-	
Trinity Newington -	14	16	-	1	2	-	-	1	
St. Peter Walworth *W*	41	15	-	-	1	-	2	2	
St. Mary Newington H -	6	10	-	-	1	-	1	-	
Waterloo-road 1st - -	6	2	-	-	1	-	-	-	
Waterloo-road 2nd -	21	7	-	1	-	-	-	-	
Lambeth Church 1st -	14	3	-	-	-	-	-	-	
Lambeth Church 2nd *W*	36	14	-	1	1	-	1	-	
Kennington 1st - -	23	12	1	-	-	-	-	-	
Kennington 2nd - -	20	12	-	1	-	-	-	-	
Brixton - - - -	18	6	1	-	-	-	-	-	
Norwood *W* - - -	8	-	-	-	-	-	-	-	
Clapham - - -	13	6	-	-	-	-	-	1	
Battersea *Ww* - -	30	22	-	-	-	-	2	-	
Wandsworth L - -	9	11	-	-	3	-	-	-	
Putney - - - -	2	4	-	-	-	-	-	-	
Streatham - - -	16	1	-	-	-	-	-	-	
Dulwich - - -	-	1	-	-	-	-	-	-	
Camberwell *WL*†*L*† -	12	16	-	1	-	-	-	-	
Peckham - - -	26	13	-	1	1	-	-	-	
St. George Camberwell -	14	7	-	1	-	-	1	-	
Rotherhithe *W* - -	17	13	-	1	2	-	-	-	
St. Paul Deptford - -	22	19	-	-	-	-	-	-	
St. Nicholas Deptford -	7	5	-	-	1	-	-	-	
Greenwich West H -	11	7	-	1	-	-	-	-	
Greenwich East *WH* -	7	15	-	-	-	-	1	-	
Eltham - - - -	3	-	-	-	-	-	-	-	
Lee - - - -	8	2	-	-	-	-	-	-	
Lewisham Village *W* -	9	3	-	-	-	-	-	-	
Sydenham - - -	9	5	-	1	-	-	-	-	
Charlton H - - -	2	1	-	-	-	-	-	-	
Woolwich Dockyard H	5	3	-	-	-	-	-	-	
Woolwich Arsenal H -	18	5	-	1	-	-	-	-	
Plumstead, West - -	9	4	-	-	-	-	1	-	
Plumstead, East - -	16	2	-	-	-	-	-	1	

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in	Chelsea North west sub-district.
The Strand - -	,,	,,	Tottenham-court sub-district.
West London - -	,,	,,	Islington East.
East London - -	,,	,,	Hackney sub district.
St. Luke Middlesex	,,	,,	Hoxton New Town sub-district.
London City - -	,,	,,	Mile End Old Town Eastern sub- and Bow sub-district.
Stepney - - -	,,	,,	Bow sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ The return for the sub-district of Cripplegate contains *two* deaths from *simple continued fever*.
§ The return for the Green sub-district of Bethnal-green contains *one* death from *simple continued fever*, *one* from *measles*, *one* from *diarrhœa* and *one* from *scarlet fever*.

DEATHS in LONDON, from ALL CAUSES, Registered in the TWENTY-SEVENTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 9 1859	July 7 1860	July 6 1861	July 5 1862	July 4 1863	July 9 1864	July 8 1865	July 7 1866	July 6 1867	July 4 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 10, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	67°·4	58°·5	59°·7	56°·8	59°·4	56°·5	66°·1	56°·3	61°·9	61°·6	60°·4	Mean Temp. 64°·2						
	ALL CAUSES . . .	1226	919	1043	1159	1187	1268	1536	1292	1130	1516	1227·6	1279†	541	650	184	200	177	41
	SPECIFIED CAUSES .	1208	914	1040	1147	1173	1266	1511	1273	1108	1500	1214·0	1246	537	646	184	198	177	41
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	360	219	290	307	352	390	589	376	264	575	372·2	336	237	279	23	24	10	..
II.	CONSTITUTIONAL ,, .	277	240	249	233	249	282	285	287	242	269	261·3	270	70	99	86	56	28	1
III.	LOCAL ,, .	399	292	335	423	388	412	436	406	392	412	389·5	464	141	168	62	113	110	11
IV.	DEVELOPMENTAL ,, .	120	118	127	131	137	140	162	161	165	188	144·9	134	76	78	5	1	23	27
V.	VIOLENT DEATHS . .	52	45	39	53	47	42	39	43	45	56	46·1	42	13	22	8	4	6	2
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	330	206	261	290	326	374	538	346	231	538	344·0	309	217	258	20	21	10	..
	2. ENTHETIC ,, . .	8	4	10	4	6	6	17	4	11	6	7·6	9	8	8	..	1	..	..
	3. DIETIC ,, . .	21	8	16	13	16	8	22	19	16	25	16·4	14	9	10	2	2	..	..
	4. PARASITIC ,, . .	1	1	3	..	4	2	12	7	6	6	4·2	4	3	3	1	..	..	..
II.	1. DIATHETIC ,, . .	43	41	47	49	42	44	51	51	37	49	45·4	57	..	2	8	27	19	1
	2. TUBERCULAR ,, . .	234	199	202	184	207	238	234	236	205	220	215·9	213	70	97	78	29	9	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	138	84	106	144	131	120	169	138	144	135	130·9	143	52	63	11	29	36	4
	2. ,, OF ORGANS OF CIRCULATION .	61	45	41	62	54	49	47	48	53	64	52·4	64	1	6	18	23	15	2
	3. ,, OF RESPIRATORY ORGANS . .	113	90	124	127	121	138	115	122	122	127	119·9	166	79	86	10	29	37	4
	4. ,, OF DIGESTIVE ORGANS . .	58	44	43	63	53	66	75	64	46	59	57·1	52	7	8	16	18	9	1
	5. ,, OF URINARY ORGANS . . .	17	14	10	19	17	20	21	16	14	19	16·7	28	1	2	4	11	11	..
	6. ,, OF ORGANS OF GENERATION .	3	1	5	2	5	8	3	8	4	4	4·3	6	..	..	3	2	1	..
	7. ,, OF ORGANS OF LOCOMOTION .	6	5	3	3	1	6	4	4	9	2	4·3	3	1	3	..	..	..	..
	8. ,, OF INTEGUMENTARY SYSTEM .	3	9	3	3	6	5	2	6	..	2	3·9	2	..	..	..	1	1	..
IV.	1. DEV. DISEASES OF CHILDREN	32	28	43	29	34	33	33	37	52	49	37·0	39	38	39	..	..	..	..
	2. ,, OF ADULTS . .	3	3	4	7	4	1	5	8	7	6	4·8	4	..	..	4	..	..	..
	3. ,, OF OLD PEOPLE	31	32	30	38	48	48	30	31	44	40	37·2	46	..	..	..	..	19	27
	4. DISEASES OF NUTRITION .	54	55	50	57	51	58	94	85	62	93	65·9	45	38	39	1	1	4	..
V.	1. ACCIDENT OR NEGLIGENCE .	45	28	36	43	39	34	34	36	37	50	38·2	32	10	19	5	1	5	2
	3. HOMICIDE	..	5	1	..	6	3	..	..	1	1	1·7	4	3	3	1	..	..	..
	4. SUICIDE	6	12	2	10	2	5	4	7	6	5	5·9	6	..	..	2	3	1	..
	5. EXECUTION	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	1	..	1	..	·2	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	7	..	1	3	4	1	..	4	3	4	2·7	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	11	5	2	9	10	1	25	15	19	12	10·9	33†	4	4	..	2	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

† Averages amounting to 27 are added, without distinction of ages. See note *, page 222.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 9 1859	July 7 1860	July 6 1861	July 5 1862	July 4 1863	July 9 1864	July 8 1865	July 7 1866	July 6 1867	July 4 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 10, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and
	Mean Temperature	67°·4	58°·5	59°·7	56°·8	59°·4	56°·5	66°·1	56°·3	61°·9	61°·6	60°·4	Mean Temp. 64°·2						
I.	ORDER 1.																		
	1. Small-pox	24	17	4	2	43	9	10	33	31	9	18·2	4	2	3	1	..	..	..
	2. Measles	24	46	26	62	33	79	24	46	22	55	41·7	29	29	29	..	..	..	..
	3. Scarlet Fever (Scarlatina)	38	33	25	52	73	56	40	39	19	36	41·1	85	62	84	1	..	..	..
	4. Diphtheria	9	3	15	16	12	13	5	8	6	11	9·8	6	3	6	..	..	..	..
	5. Quinsy	1	2	4	2	2	1	...	2	1	2	1·7	1	..	..	..	..	1	..
	6. Croup	7	7	12	20	20	10	12	12	8	9	11·7	14	13	14	..	..	..	..
	7. Whooping-cough	21	27	57	29	26	29	55	32	27	49	35·2	69	68	69	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	36	34	31	61	41	68	59	35	45	46	45·6	12 18 12	2 5 3	3 9 4	3 4 3	5 4 3	1 1 2	.. .. ..
	9. Erysipelas	8	4	5	3	8	6	7	7	3	6	5·7	7	2	2	1	4	..	..
	10. Puerperal Fever (Metria)	3	3	2	4	6	2	2	4	2	1	2·9	4	..	1	3	..	..	..
	11. Carbuncle	2	5	1	1	2	1	2	1	..	2	1·7	1	..	..	..	..	1	..
	12. Influenza	1	..	1	..	..	..	..	..	1	..	·3	..	..	..	..	..	..	..
	13. Dysentery	4	2	3	2	3	6	2	3	1	1	2·7	2	..	..	1	..	1	..
	14. Diarrhœa	132	12	61	26	47	81	301	102	54	286	110·2	30	25	25	2	1	2	..
	15. Simple Cholera	11	1	5	2	4	2	12	14	6	19	7·6	3	2	3	..	..	..	..
	16. Ague	..	1	..	..	..	..	..	..	..	..	·1	1	..	1	..	..	..	..
	17. Remittent fever	1	2	2	1	..	1	2	..	1	..	1·0	1	..	..	..	1	..	..
	18. Rheumatism	8	7	7	7	6	10	5	8	4	6	6·8	9	..	4	1	3	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	7	4	8	3	4	6	14	2	9	5	6·2	9	8	8	..	1	..	..
	2. Stricture of Urethra	1	..	2	1	2	..	2	1	2	1	1·2	..	..	..	..	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	1	1	..	..	·2	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	1	1	..	..	..	1	2	..	·5	1	..	1	..	..	..	..
	2. Want of Breast-milk	17	3	11	8	7	5	19	16	6	17	10·9	7	7	7	..	..	..	..
	3. Purpura and Scurvy	2	2	1	1	4	..	2	1	2	1	1·6	2	2	2	..	..	..	..
	4. Alcoholism { *a* Del. Tremens *b* Intemperance	2 ..	1 2	1 2	3 ..	1 4	2 1	.. 1	.. 1	4 2	7 ..	2·1 1·3	4 ..	.. ..	.. ..	2 ..	2 ..	.. ..	..
	ORDER 4.																		
	1. Thrush	1	1	3	..	4	2	12	7	6	6	4·2	3	3	3	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
II.	ORDER 1.																		
	1. Gout	..	1	1	2	2	2	5	..	1	..	1·4	4	..	..	1	2	1	..
	2. Dropsy	14	10	10	18	19	19	15	21	13	18	15·7	11	..	2	2	2	5	..
	3. Cancer	24	25	33	25	18	19	30	23	20	30	24·7	36	..	..	5	21	10	..
	4. Cancrum Oris (Noma)	..	..	2	..	..	1	..	1	..	..	·4	..	..	..	..	..	..	..
	5. Mortification	5	5	1	4	3	3	1	6	3	1	3·2	6	..	..	..	2	3	11
	ORDER 2.																		
	1. Scrofula	6	8	11	6	12	8	4	8	10	12	8·5	12	7	9	2	..	1	..
	2. Tabes Mesenterica	28	13	16	15	18	28	46	24	16	23	22·7	26	26	26	..	..	..	..
	3. Phthisis	166	144	143	134	152	167	158	173	161	159	155·7	144	11	31	76	29	8	..
	4. Hydrocephalus	34	34	32	29	25	35	26	31	18	26	29·0	31	26	31	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	15	4	6	4	5	8	26	11	19	16	11·4	17	9	13	2	2	..	..
	2. Apoplexy	26	28	26	35	40	29	35	30	26	23	29·8	35	1	2	3	10	19	11
	3. Paralysis	25	8	12	29	19	17	22	24	27	22	20·5	25	..	..	2	8	12	33
	4. Insanity	4	1	1	2	4	..	1	..	4	4	2·1	1	..	..	..	1	..	..
	5. Chorea	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	6. Epilepsy	5	6	4	5	9	7	8	5	4	5	5·8	8	..	2	2	2	2	..
	7. Convulsions	43	25	42	40	37	47	65	50	48	44	44·1	45	41	45	..	..	..	..
	8. *Brain Disease, &c.*	19	12	15	29	17	12	12	18	16	21	17·1	12	1	1	2	6	3	..
	ORDER 2.																		
	1. Pericarditis	4	1	2	3	2	2	2	2	2	2	2·2	3	..	1	1	1	..	..
	2. Aneurism	1	..	1	5	2	3	1	2	3	3	2·1	4	..	..	2	2	..	..
	3. *Heart Disease, &c.*	56	44	38	54	50	44	41	44	48	59	48·1	57	1	5	15	20	15	2
	ORDER 3.																		
	1. Laryngitis	5	..	8	4	..	4	3	1	4	5	3·4	7	4	5	..	2	..	..
	2. Bronchitis	53	51	56	58	58	62	53	59	58	53	56·1	92	37	39	2	17	30	44
	3. Pleurisy	4	2	2	4	1	3	3	1	4	3	2·7	..	..	..	..	..	..	..
	4. Pneumonia	40	28	52	51	49	54	47	50	38	48	45·7	52	33	37	6	5	4	..
	5. Asthma	3	2	2	2	6	3	1	..	9	3	3·1	8	..	..	1	4	3	..
	6. *Lung Disease, &c.*	8	7	4	8	7	12	8	11	9	15	8·9	7	5	5	1	1	..	..
	ORDER 4.																		
	1. Gastritis	2	1	1	..	2	2	3	3	..	3	1·7	..	..	..	..	..	..	..
	2. Enteritis	9	4	6	8	7	13	14	6	8	6	8·1	3	2	2	1	..	..	..
	3. Peritonitis	4	6	2	8	6	4	7	6	1	3	4·7	5	1	2	1	2	..	..
	4. Ascites	..	3	3	3	3	9	5	1	2	2	3·1	..	..	..	..	..	..	..
	5. Ulceration of Intestines	1	4	2	1	2	4	2	1	1	6	2·4	1	..	..	1	..	..	..
	6. Hernia	2	1	4	2	2	..	2	3	1	1	1·8	1	..	..	1	..	..	..
	7. Ileus	5	..	4	2	1	5	2	4	4	3	3·0	2	..	..	..	1	1	..
	8. Intussusception	2	1	..	..	..	2	1	2	1	..	·9	1	..	..	..	..	..	1

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

n the TWENTY-SEVENTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 9 1859	July 7 1860	July 6 1861	July 5 1862	July 4 1863	July 9 1864	July 8 1865	July 7 1866	July 6 1867	July 4 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 10, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	67°·4	58°·5	59°·7	56°·8	59°·4	56° 5	66°·1	56°·3	31°·9	61°·6	60°·4	Mean Temp. 64°·2						
	9. Stricture of Intestines	1	1	..	1	2	1	1	..	1	..	·8	2	..	..	..	..	2	..
	10. Fistula	2	..	..	..	..	..	2	..	1	..	·5	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	9	5	4	5	12	7	11	6	4	6	6·9	6	2	2	2	1	1	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	4	4	2	5	3	3	5	4	1	5	3·6	7	..	..	2	5	..	..
	14. Jaundice	6	5	2	5	4	3	4	3	8	7	4·7	2	2	2	..	..	..	..
	15. *Liver Disease, &c.*	11	9	13	23	9	13	16	24	13	17	14·8	21	..	..	8	8	5	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	..	..	1	..	..	·1	1	..	..	..	1	..	..
	ORDER 5.																		
	1. Nephritis	2	..	..	..	..	..	1	..	..	3	·6	1	..	1	..	..	..	..
	2. Ischuria	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	7	5	4	9	10	8	11	6	8	5	7·3	19	..	..	1	9	9	..
	4. Diabetes	2	..	1	1	1	5	1	2	..	2	1·5	1	..	..	1	..	..	..
	5. Calculus (Stone)	..	..	1	..	..	1	1	2	1	..	·6	1	1	1	..	..	..	..
	6. Cystitis	..	2	1	2	..	1	2	4	2	1	1·5	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	6	7	3	7	6	5	4	2	3	8	5·1	6	..	..	2	2	2	..
	ORDER 6.																		
	1. Ovarian Dropsy	1	..	1	1	..	1	1	..	..	1	·6	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	2	1	4	1	5	7	2	8	4	3	3·7	6	..	..	3	2	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	1	..	..	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	5	5	3	3	1	6	4	4	8	2	4·1	3	1	3	..	..	..	..
	ORDER 8.																		
	1. Phlegmon	3	7	2	1	3	3	..	2	..	..	2·1	..	..	..	..	..	..	..
	2. Ulcer	..	1	..	1	1	1	..	2	..	1	·7	2	..	..	..	1	1	..
	3. *Skin Disease, &c.*	..	1	1	1	2	1	2	2	..	1	1·1	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	19	14	23	16	18	16	16	14	25	25	18·6	18	18	18	..	..	..	..
	2. Cyanosis	1	3	1	3	2	..	1	3	4	..	1·8	1	..	1	..	..	..	..
	3. Spina Bifida	..	1	2	..	2	1	..	2	..	3	1·1	2	2	2	..	..	..	..
	4. Other Malformations	..	1	4	3	3	1	..	2	2	4	2·0	1	1	1	..	..	..	..
	5. Teething	12	9	13	7	9	15	16	16	21	17	13·5	17	17	17	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	3	4	7	4	1	5	7	7	6	4·7	4	..	..	4	..	..	..
	ORDER 3.																		
	1. Old Age	31	32	30	38	48	48	30	31	44	40	37·2	46	..	..	..	..	19	27
	ORDER 4.																		
	1. Atrophy and Debility	54	55	50	57	51	58	94	85	62	93	65·9	45	38	39	1	1	4	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	20	15	13	23	14	20	14	14	9	18	16·0	17	3	8	4	..	3	2
	2. Wounds	..	..	1	..	..	..	..	2	..	2	·5	..	..	..	..	..	..	..
	3. Burns and Scalds	4	5	2	5	5	5	2	3	8	4	4·3	3	1	2	..	..	1	..
	4. Poison	..	..	1	..	1	..	1	1	1	3	·8	..	..	..	..	..	..	..
	5. Drowning	13	3	11	5	10	2	6	10	11	11	8·2	5	..	3	1	..	1	..
	6. Suffocation	5	4	6	6	6	4	9	4	4	8	5·6	5	5	5	..	..	..	..
	7. Otherwise	3	1	2	4	3	3	2	2	4	4	2·8	2	1	1	..	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	..	5	1	..	6	3	..	..	1	1	1·7	4	3	3	1	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	2	..	1	1	..	·4	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	6	..	1	..	..	2	2	2	..	1·4	2	..	..	..	1	1	..
	2. Poison	1	1	..	2	..	1	1	1	..	..	·7	1	..	..	..	1	..	..
	3. Drowning	..	2	..	..	1	..	1	..	1	2	·7	2	..	..	2	..	..	..
	4. Hanging	4	3	2	7	1	2	..	2	..	3	2·4	1	..	..	..	1	..	..
	5. Otherwise	..	..	..	..	..	..	..	1	2	..	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	1	..	1	..	·2	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	7	..	1	3	4	1	..	4	3	4	2·7	..	..	..	..	..	..	..
	Causes not specified or ill-defined	11	5	2	9	10	1	25	15	19	12	10·9	33†	4	4	..	2	..	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† Averages amounting to 27 are added, without distinction of ages. See note *, page 223.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 10th July 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
July.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	4	..	29·932	76·2	52·1	24·1	62·5	52·8	132·7	50·3	61·4	58·4	9·7	22·8	0·0	+ 1·0	71	ESE.	SE.	0·7	0·0	0·0	165	0·00	4
Monday. .	5	..	29·761	80·0	49·1	30·9	64·4	57·7	125·0	48·0	61·9	59·4	6·7	20·1	0·8	+ 2·7	79	Calm	SW.	2·0	0·0	0·3	205	0·00	2
Tuesday .	6	..	29·786	76·6	58·9	17·7	64·5	58·8	124·2	55·0	62·4	60·4	5·7	12·8	0·0	+ 2·7	82	WSW.	WSW.	3·6	0·0	0·6	355	0·00	5
Wednesday	7	..	29·967	72·9	58·0	14·9	63·7	56·9	113·6	52·5	63·0	61·4	6·8	15·1	1·5	+ 1·8	79	WSW.&SW	SW.	2·3	0·0	0·2	285	0·00	5
Thursday.	8	..	29·876	78·1	58·3	19·8	66·6	59·6	126·7	54·5	63·4	61·7	7·0	16·8	0·0	+ 4·9	78	SW.	SW.	2·4	0·0	0·3	310	0·00	4
Friday . .	9	Greatest Dec. N. New	30·103	77·6	53·2	24·4	63·7	49·4	139·7	45·2	64·0	62·4	14·3	23·6	1·6	+ 2·0	60	WSW. & W.	W.	2·1	0·0	0·2	301	0·00	2
Saturday.	10	..	30·235	77·6	53·8	23·8	63·9	51·7	130·3	52·5	65·4	63·4	12·2	25·3	2·6	+ 2·1	65	WSW.	WSW, NNE, & SSE	0·2	0·0	0·0	128	0·00	3
Means . .		..	29·951	77·0	54·8	22·2	64·2	55·3	127·5	51·1	63·1	61·0	8·9	19·5	0·9	+ 2·5	73	WSW.		..	..	..	Sum 1749	Sum 0·00	3·6
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. July.		Electricity.	Sky and Atmosphere.
Sunday .	4	The insulating lamp was not burning.	Very fine; a little cloud prevailed.
Monday .	5		Overcast during the morning; fine, and partially cloudy in the afternoon; again overcast at night. A slight shower fell shortly before 1h. P.M.
Tuesday .	6		Generally overcast.
Wednesday	7		Overcast in the morning; fine, but generally cloudy throughout the remainder of the day.
Thursday .	8		A very fine day; light clouds generally prevailed. A little thin rain fell at night.
Friday .	9		A very fine day; light clouds prevailed.
Saturday .	10	No electricity was shown.	Dense haze prevailed in the morning; in the afternoon and evening there were a few light clouds. A very fine day.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30·00 in. at the beginning of the week to 29·72 in. by noon on the 6th; increased to 29·98 in. by noon on the 7th; decreased to 29·85 in. by 3h. P.M. on the 8th; increased to 30·24 in. by 9h. A.M. on the 10th; and was nearly stationary at this reading till the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 28. 1869. Vol. XXX.] Week ending Saturday, July 17. [Price 1*d.*

General Register Office, Somerset House, 19th July 1869.

In the week that ended on Saturday, 17th July, 4224 births, and 2772 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 22 per 1000 persons living.

The annual rate of mortality last week was 22 per 1000 in London, 34 in Edinburgh, and 17 in Dublin; 17 in Bristol, 17 in Birmingham, 26 in Liverpool, 26 in Manchester, 23 in Salford, 21 in Sheffield, 21 in Bradford, 21 in Leeds, 20 in Hull, 17 in Newcastle-upon-Tyne, and 27 in Glasgow.

In Paris the annual rate of mortality in the week ending last Saturday (17th July) was 22 per 1000. The rate in Berlin during the seven days ending 15th instant was 35 per 1000.

In London the births of 1030 boys and 1021 girls, in all 2051 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2106.

The deaths registered in London during the week were 1313. It was the twenty-eighth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1416. The deaths in the present return are less by 103 than the estimated amount, but exceed by 34 the number recorded in the preceding week.

The deaths from zymotic diseases were 404, the corrected average number being 449. Two deaths from small-pox, 35 from measles, 77 from scarlet fever, 4 from diphtheria, 77 from whooping-cough, 14 from typhus fever, 17 from enteric fever, and 11 from simple continued fever were registered.

The prevailing high temperature of the air and of the water of the Thames has caused an increase in the mortality from diarrhœa, and has also occasioned some deaths from simple cholera or choleraic diarrhœa. The deaths of 96 children and 6 adults from diarrhœa were recorded last week. In the three preceding weeks the total numbers were 28, 20, and 30.

The following deaths from simple cholera or choleraic diarrhœa were registered:—

Kensington; *St. John Paddington.*—At Cambridge-street, on 11th July, the daughter of a surgeon, aged 36 years, "diarrhœa (4 days); choleraic collapse (12 hours)."

Kensington; *Town.*—At Cooper's-gardens, on 11th July, the son of a bricklayer, aged 12 months, "cholera infantum."

Marylebone; *St. John.*—At 34 Henry-street, on 15th July, the son of a butcher, aged 8 months, "choleraic diarrhœa."

Clerkenwell; *St. James.*—At 163 St. John-street, on 9th July, the son of a fireman, aged 5 months, "choleraic diarrhœa (24 hours)."

In same sub-district, at 3 Queen-street, on 13th July, a spinster, aged 74 years, "choleraic diarrhœa (30 hours)."

Saint Luke; *City-road.*—At 17 Galway-street, on 13th July, the daughter of a wood-moulder, aged 7 months, "cholera, diarrhœa (2 days)."

Shoreditch; *St. Leonard.*—At 19 West-street, on 15th July, the daughter of a butcher, aged 1 year, "choleraic diarrhœa."

Shoreditch; *Haggerstone East.*—At 2 York-terrace, on 14th July, the daughter of a stoker, aged 11 months, "choleraic diarrhœa."

Whitechapel; *Spitalfields.*—At 9 Corbet's-court, on 13th July, the son of a greengrocer, aged 10 months, "choleraic diarrhœa (30 hours)."

St. George Southwark; *Kent-road.*—At 57 York-buildings, on 15th July, the daughter of engine-driver at vinegar works, aged 3 months, "choleraic diarrhœa (20 hours)."

In same sub-district, at 45 Kent-street, on 16th July, the son of a corn chandler, aged 3½ years, "summer cholera (10 hours); convulsions."

The widow of a bricklayer's labourer died on 17th July, at 5 Hamilton-street, Wandsworth-road, Kennington, from "typhus fever." The registrar remarks: "The medical attendant attributes this death to effluvia from bad drainage."

One hundred and sixty-three persons died from phthisis, 80 from bronchitis, and 52 from pneumonia.

The deaths of 5 persons from alcoholism, of 11 infants and one adult from syphilis, of 6 persons from drowning, of 6 infants and one adult from suffocation, and of 8 persons who committed suicide were registered.

The following deaths of 2 children who were killed by horses or vehicles in the streets were recorded :—

The son of a shoemaker, aged 8 years, "run over by an omnibus." Died on 5th July in the Middlesex Hospital. *Post mort.* (*Inquest.*)

The daughter of a paper hanger, aged 5 years, "run over by a van." Died on 13th July in Guy's Hospital. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 30·037 in. The barometrical reading decreased from 30·24 in. at the beginning of the week to 29·89 in. on Monday, 12th July. The mean temperature of the air in the week was 66·9°, which is 4·6° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 89·0° on Saturday, 17th July. The lowest night temperature was 49·°4 on Sunday, 11th July. The entire range of temperature in the week was, therefore, 39·6°. The mean of the highest temperatures of the water of the Thames was 65·5°; that of the lowest was 63·3°. The difference between the mean dew-point temperature and air temperature was 9·2°. The mean degree of humidity of the air was 72, complete saturation being represented by 100. Rain fell to the amount of 0·14 in. on Tuesday, 14th July. The general direction of the wind was variable. The amount of ozone was considerably less than in the two preceding weeks.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 171,651 cubic metres, and at Barking 168,702 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Twenty-eighth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1767	1754	1902	1707	1983	1874	1928	1963	2127	2143	1914·8	2051
Males	891	935	945	882	989	955	984	987	1061	1111	974·0	1030
Females	876	819	957	825	994	919	944	976	1066	1032	940·8	1021
Total Deaths	1400	1015	1106	1065	1287	1300	1392	1540	1262	1505	1287·2	1313*
Males	733	553	553	561	659	667	775	829	696	774	680·0	685
Females	667	462	553	504	628	633	617	711	566	731	607·2	628

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Apr. 24.	May 1.	May 8.	May 15.	May 22.	May 29.	June 5.	June 12.	June 19.	June 26.	July 3.	July 10.	July 17.
Deaths	1377	1288	1421	1279	1281	1276	1355	1305	1236	1381	1231	1279	1313
Deaths under 5 years of age	614	563	616	536	528	517	532	553	549	590	528	541	652
Deaths under 20 years of age	696	656	721	631	634	613	637	661	652	693	642	660	758
Deaths 20—40	199	183	209	208	184	184	196	194	170	204	172	194	150
Deaths 40—60	211	211	236	210	231	202	258	212	196	227	196	205	204
Deaths at 60 years of age and upwards	271	238	255	230	232	277	264	238	218	257	221	220	201
Deaths from Small-pox	4	8	3	4	3	8	3	8	3	1	4	4	2
" " Measles	18	20	21	24	22	23	24	28	28	23	22	29	35
" " Scarlet Fever	38	42	53	56	45	45	62	54	60	65	75	85	77
" " Diphtheria	6	4	7	6	5	6	3	3	6	6	4	6	4
" " Whooping-cough	97	81	91	87	97	92	89	96	93	76	90	69	77
" " Typhus fever	24	19	9	18	7	16	15	12	10	10	12	12	14
" " Enteric fever	19	21	21	16	12	19	15	18	19	18	14	18	17
" " SimpleContdfever	10	7	13	8	4	5	6	9	9	10	14	12	11
" " Diarrhœa	21	10	19	10	15	5	22	11	17	28	20	30	102
" " Phthisis	184	156	216	169	194	171	200	166	171	197	174	144	163
" " Bronchitis	147	111	131	117	101	104	115	97	99	108	85	92	80
" " Pneumonia	86	89	85	69	78	75	62	74	59	64	61	52	52
" " Heart Disease	50	59	54	65	75	60	61	65	62	90	45	57	55
Mean Temperature of the Air	50°·3	51°·9	50°·5	51°·2	50°·0	51°·7	53°·3	59°·0	51°·3	54°·3	56°·9	64°·2	66°·9
Mean Temperature of the Water of the Thames	52·9	54·7	54·4	54·1	53·3	53·7	53·5	57·3	56·1	56·1	58·9	62·0	64·4
Humidity of the Air	83	74	88	79	86	79	82	73	80	83	73	73	72
Rain-fall in inches	0·25	0·00	1·28	0·35	0·68	1·12	0·10	0·00	0·84	0·20	0·00	0·00	0·14

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The returns for the sub-districts of Finsbury and St. Nicholas Deptford were not received when the Tables were under preparation, but averages of 4 and 2 respectively are inserted.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 17th day of July 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 17th July.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 17th July.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4224**	**3244**	**2772**	**89·5**	**43·0**	**63·2**	**0·03**	**3**	**31·95**	**4·30**	**17·33**	**8**
London (Metropolis)	3,170,754	40·7	2070	2051	1462	1313	89·0	49·4	66·9	0·14	14	31·67	9·66	19·39	36
Bristol (City)	169,423	36·1	109	99	76	55 *	85·2	44·5	63·2	0·08	8	29·55	6·95	17·33	20
Birmingham (Borough)	360,846	46·1	283	224	175	120	86·3	48·2	65·3	0·03	3	30·17	9·00	18·50	8
Liverpool (Borough)	509,052	99·7	345	343	295	253	..	..	..	..	..	..	..	..	..
Manchester (City)	370,892	82·7	277	247	210	182 *	89·5	47·0	63·9	0·00	0	31·95	8·33	17·72	0
Salford (Borough)	119,350	23·1	89	76	60	53	87·8	45·7	61·9	0·00	0	31·01	7·61	16·61	0
Sheffield (Borough)	239,752	10·5	196	159	126	96	85·0	48·0	63·3	0·00	0	29·44	8·89	17·39	0
Bradford (Borough)	138,522	21·0	105	115	71	55	80·4	51·2	62·8	0·00	0	26·89	10·67	17·12	0
Leeds (Borough)	253,110	11·7	189	165	129	101	82·0	49·0	63·1	0·01	1	27·78	9·44	17·28	3
Hull (Borough)	126,682	35·6	83	78	59	48	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	78	69	42	80·0	52·0	60·9	0·00	0	26·67	11·11	16·06	0
Edinburgh (City)	178,002	40·2	112	129	86	115	76·7	48·0	60·9	0·00	0	24·83	8·89	16·06	0
Glasgow (City)	458,937	90·6	374	312	268	236	81·0	47·3	60·8	0·08	8	27·22	8·50	16·01	20
Dublin (City and some suburbs)	320,762	32·9	219	148	158	103	82·3	43·0	61·8	0·00	0	27·95	6·11	18·23	0
Paris (City)	1,889,842	..	..	..	..	797	..	..	..	..	..	..	..	..	..
				Week ending 10th July 1869.		Week ending 10th July 1869.	Week ending 10th July 1869.					Week ending 10th July 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 15th July 1869.		Week ending 15th July 1869.	Week ending 15th July 1869.					Week ending 15th July 1869.			
Berlin (City)	(1867) 702,437	..	..	..	..	480	..	..	65·3	..	..	..	..	18·50	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 17th July 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON –	2051	1313	2	35	77	4	77	42	102
WEST DISTRICTS –	304	188	–	3	6	1	5	3	18
NORTH DISTRICTS –	453	295	1	5	14	1	17	14	27
CENTRAL DISTRICTS –	212	170	–	6	14	1	8	2	14
EAST DISTRICTS –	436	308	–	9	29	1	21	10	22
SOUTH DISTRICTS –	646	352	1	12	14	–	26	13	21
WEST DISTRICTS.									
St. Mary Paddington *WH*	26	21	–	–	1	–	–	–	5
St. John Paddington H	17	11	–	–	–	–	–	–	–
Kensington Town *W* –	60	23	–	–	1	–	–	–	4
Brompton H – –	11	4	–	–	–	–	–	–	–
St. Peter Hammersmith	3	–	–	–	–	–	–	–	–
St. Paul Hammersmith	17	10	–	–	–	–	–	–	1
Fulham *W* – – –	9	10	–	–	–	–	–	1	3
Chelsea South H – –	15	6	–	–	–	–	1	–	1
Chelsea North-west H *Ww*	13	9	–	2	–	–	1	–	2
Chelsea North-east –	13	8	–	–	–	1	1	–	–
Hanover Square – –	8	8	–	–	1	–	–	–	1
May Fair *W* – –	4	2	–	–	–	–	–	–	–
Belgrave H – – –	32	23	–	–	1	–	1	–	–
St. John Westminster –	27	11	–	–	–	–	–	–	–
St. Margaret West. *WH*	19	16	–	1	–	–	1	–	1
St. James's Square –	4	5	–	–	–	–	–	1	–
Golden Square *W* –	5	12	–	–	1	–	–	–	–
Berwick-street – –	4	3	–	–	1	–	–	–	–
St. Anne Soho – –	17	6	–	–	–	–	–	1	–
NORTH DISTRICTS.									
All Souls Marylebone H	10	17	–	–	1	1	4	–	–
Cavendish Square – –	3	3	–	–	–	–	1	–	–
Rectory Marylebone *W*	18	15	–	–	–	–	–	–	–
St. Mary Marylebone –	6	9	–	–	–	–	1	1	3
Christchurch Marylebone	24	19	–	–	1	–	–	1	4
St. John Marylebone –	24	13	–	–	–	–	–	–	4
Hampstead *W* – –	15	6	–	–	–	–	–	–	–
Regent's Park Pancras –	19	10	–	1	–	–	–	–	1
Tottenham-court *w*H –	13	17	–	1	–	–	–	–	2
Gray's Inn Lane H –	25	9	–	–	–	–	1	–	1
Somers Town – –	17	12	–	–	–	–	–	–	2
Camden Town *W* –	8	10	–	–	–	–	–	1	1
Kentish Town – –	65	18	–	1	1	–	4	1	–
Islington West* *WHH*	53	54	1	1	3	–	4	10	5
Islington East *Ww* –	72	41	–	–	3	–	2	–	3
Stoke Newington – –	3	4	–	–	–	–	–	–	–
Stamford Hill – –	6	1	–	–	–	–	–	–	–
West Hackney – –	22	10	–	–	2	–	–	–	1
Hackney *WHw* – –	30	15	–	1	2	–	–	–	–
South Hackney L –	20	12	–	–	1	–	–	–	–
CENTRAL DISTRICTS.									
St. George Bloomsbury –	4	6	–	–	–	–	–	–	–
St. Giles South *W* –	19	18	–	–	–	–	1	–	1
St. Giles North – –	13	13	–	–	–	–	1	–	4
Long Acre – – –	9	4	–	1	–	–	1	–	–
Charing Cross *WH* –	4	5	–	–	–	–	–	–	–
St. Mary-le-Strand –	5	2	–	–	–	–	–	–	1
St. Clement Danes H –	6	4	–	–	–	–	–	–	–
St. George-the-Martyr H	10	9	–	3	–	–	–	–	2
St. Andrew, East Holb. *W*	10	13	–	–	–	–	1	–	2
Saffron Hill – – –	8	7	–	–	3	–	–	–	–
St. James Clerkenwell *W*	13	10	–	–	2	–	2	–	–
Amwell Clerkenwell –	17	5	–	–	–	–	1	–	–
Pentonville – – –	8	5	–	–	–	–	–	–	–
Goswell-street – –	8	6	–	1	1	–	–	–	1
Old-street – – –	10	3	–	–	–	–	–	1	1
City-road HL – –	14	8	–	–	2	–	–	–	–
Whitecross-street – –	5	5	–	–	–	–	–	–	2
Finsbury – – –	6	4	‡	–	–	–	–	–	–
St. Botolph East London	15	4	–	–	–	–	–	–	–
Cripplegate – – –	5	11	–	–	1	–	–	–	–
West London North *WH*	8	16	–	1	2	1	1	–	–
West London South –	5	4	–	–	–	–	–	–	–
London City South-west	2	1	–	–	–	–	–	–	–
London City North-west	5	–	–	–	–	–	–	–	–
London City South –	2	1	–	–	1	–	–	–	–
London City South-east	–	3	–	–	1	–	–	1	–
London City North-east	6	3	–	–	1	–	–	–	–

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch –	6	4	–	–	1	–	–	–	–
St. Leonard Shrdtch. L†	15	7	–	–	1	–	–	–	–
Hoxton New Town *w* –	23	10	–	–	–	–	3	–	–
Hoxton Old Town – –	21	12	–	–	–	–	2	–	–
Haggerstone West *W* –	20	10	–	–	2	–	2	–	–
Haggerstone East – –	18	6	–	–	–	–	1	–	–
Hackney-road – –	22	12	–	–	1	–	1	–	–
Green, Bthnl. Grn. *WHL*†	24	18	–	–	–	–	–	–	–
Church, Bethnal Green –	13	8	–	1	1	–	–	–	–
Town, Bethnal Green –	12	9	–	–	–	–	2	1	–
Artillery Whitechapel –	3	1	–	–	–	–	–	–	–
Spitalfields – – –	13	9	–	–	3	–	1	–	–
Mile End New Town *W*	9	16	–	1	–	–	–	–	–
Whitechapel North –	9	4	–	–	–	–	2	–	–
Whitechapel Church H	7	14	–	–	2	–	–	1	–
Goodman's Fields – –	6	5	–	–	–	–	–	1	–
Aldgate – – – –	6	7	–	–	–	–	1	–	–
St. Mary St. Geo. East –	12	6	–	–	2	–	2	–	–
St. Paul St. Geo. East –	17	14	–	–	2	–	–	2	–
St. John St. Geo. East *W*	2	10	–	–	3	–	–	–	–
Shadwell *W* – – –	4	10	–	–	–	–	–	–	–
Ratcliff *W* – – –	6	3	–	1	–	–	–	–	–
Limehouse *W* – –	20	6	–	–	–	–	–	–	–
Mile End Old Town, West	26	19	–	2	1	–	1	–	–
Mile End Old T., East *Ww*	37	28	–	2	2	1	1	3	–
Bow *ww*L† – – –	51	38	–	2	7	–	–	–	–
Poplar *W* – – –	34	22	–	–	1	–	2	2	–
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	16	5	–	–	–	–	–	–	–
St. Saviour Southwark H	15	7	–	–	–	–	1	–	–
St. Olave Southwark H	–	8	–	–	–	–	–	1	–
St. John Horsleydown *W*	5	14	–	–	3	–	1	–	–
St. James Bermondsey –	25	20	–	3	1	–	4	2	–
St. Mary Magdalen *W* –	18	15	–	1	1	–	2	2	–
Leather Market – –	9	5	–	–	–	–	1	–	–
Kent-road – –	12	14	1	–	1	–	1	1	–
Borough-road *W* – –	13	11	–	–	–	–	–	–	–
London-road L – –	15	6	–	1	–	–	–	–	–
Trinity Newington –	16	8	–	–	–	–	–	–	–
St. Peter Walworth *W*	32	18	–	1	–	–	4	1	–
St. Mary Newington H	22	8	–	–	1	–	–	–	–
Waterloo-road 1st –	11	5	–	–	–	–	2	–	–
Waterloo-road 2nd –	12	5	–	–	–	–	1	–	–
Lambeth Church 1st –	16	6	–	1	–	–	–	–	–
Lambeth Church 2nd *W*	36	20	–	–	–	–	1	1	–
Kennington 1st – –	21	21	–	–	–	–	4	1	–
Kennington 2nd – –	22	4	–	1	–	–	1	–	–
Brixton – – – –	25	6	–	–	–	–	–	–	–
Norwood *W* – – –	15	2	–	–	–	–	–	–	–
Clapham – – –	9	5	–	–	–	–	1	–	–
Battersea *Ww* – –	28	14	–	–	–	–	1	1	–
Wandsworth L – –	12	5	–	–	1	–	–	–	–
Putney – – – –	5	4	–	–	–	–	–	–	–
Streatham – – –	6	3	–	–	1	–	–	–	–
Dulwich – – –	2	1	–	–	–	–	–	–	–
Camberwell *WL*†*L*† –	12	9	–	–	–	–	–	–	–
Peckham – – –	24	10	–	1	–	–	–	–	–
St. George Camberwell –	22	12	–	–	–	–	–	1	–
Rotherhithe *W* – –	15	12	–	2	1	–	–	–	–
St. Paul Deptford – –	44	18	–	–	1	–	1	1	–
St. Nicholas Deptford –	5	2	–	–	–	–	–	–	–
Greenwich West H –	15	7	–	–	2	–	–	–	–
Greenwich East *WH* –	5	11	–	–	–	–	–	–	–
Eltham – – – –	4	–	–	–	–	–	–	–	–
Lee – – – –	11	3	–	–	–	–	–	–	–
Lewisham Village *W* –	8		–	–	–	–	–	–	–
Sydenham – – –	13	8	–	–	–	–	–	–	–
Charlton H – – –	5	2	–	–	–	–	–	–	–
Woolwich Dockyard H	11	5	–	–	–	–	–	–	–
Woolwich Arsenal H –	13	10	–	1	1	–	–	1	–
Plumstead, West – –	9	1	–	–	–	–	–	–	–
Plumstead, East – –	12	4	–	–	–	–	–	–	–

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand – – ,, ,, Tottenham-court sub-district.
West London – – ,, ,, Islington East.
East London – – ,, ,, Hackney sub-district.
St. Luke Middlesex – ,, ,, Hoxton New Town sub-district.
London City – – ,, ,, Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney – – – ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ The return for the sub-district of Finsbury contains *two* deaths from *diarrhœa* and *one* death from *enteric fever*.

DEATHS in LONDON, from ALL CAUSES, Registered in the TWENTY-EIGHTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 16 1859	July 14 1860	July 13 1861	July 12 1862	July 11 1863	July 16 1864	July 15 1865	July 14 1866	July 13 1867	July 11 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 17, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	71°·0	57°·4	61°·5	58°·2	65°·0	60°·8	61°·4	68°·2	60°·0	65°·7	62°·9	Mean Temp. 66°·9						
	ALL CAUSES . . .	1400	1015	1106	1065	1287	1300	1392	1540	1262	1505	1287·2	1313†	652	756	148	202	168	33
	SPECIFIED CAUSES .	1379	1007	1094	1055	1260	1278	1382	1531	1259	1495	1274·0	1304	650	754	148	202	168	32
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	501	219	303	280	433	405	524	515	325	582	408·7	404	316	355	21	20	7	1
II.	CONSTITUTIONAL „ .	278	242	249	258	226	248	246	326	291	271	263·5	265	65	92	66	74	31	2
III.	LOCAL „ .	396	383	367	363	396	424	395	452	438	391	400·5	446	161	189	50	94	103	10
IV.	DEVELOPMENTAL „ .	174	124	146	125	148	153	177	192	150	198	158·7	146	95	96	5	3	23	19
V.	VIOLENT DEATHS . .	30	39	29	29	57	48	40	46	55	53	42·6	43	13	22	6	11	4	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	466	201	282	261	419	382	486	472	290	545	380·4	375	296	333	17	17	7	1
	2. ENTHETIC „ . .	7	6	11	3	4	10	7	8	16	9	8·1	12	11	11	..	1	..	..
	3. DIETIC „ . .	24	12	9	12	9	12	25	28	13	21	16·5	13	7	8	4	1	..	..
	4. PARASITIC „ . .	4	..	1	4	1	1	6	7	6	7	3·7	4	2	3	..	1	..	..
II.	1. DIATHETIC „ . .	30	38	36	51	30	38	35	53	34	49	39·4	54	2	4	3	24	21	2
	2. TUBERCULAR „ . .	248	204	213	207	196	210	211	273	257	222	224·1	211	63	88	63	50	10	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	160	122	101	130	120	134	135	165	167	146	138·0	151	68	80	10	26	30	5
	2. „ OF ORGANS OF CIRCULATION .	47	57	45	43	65	63	55	64	54	53	54·6	55	1	5	13	21	15	1
	3. „ OF RESPIRATORY ORGANS . .	92	123	134	129	124	130	105	128	119	116	120·0	162	80	85	13	23	37	4
	4. „ OF DIGESTIVE ORGANS . . .	73	55	59	41	60	62	72	56	61	47	58·6	48	9	13	8	15	12	..
	5. „ OF URINARY ORGANS . . .	9	16	19	11	15	25	16	25	19	18	17·3	15	..	1	4	5	5	..
	6. „ OF ORGANS OF GENERATION .	5	4	4	4	4	4	7	6	4	4	4·6	4	..	..	1	2	1	..
	7. „ OF ORGANS OF LOCOMOTION .	7	2	1	1	6	1	5	2	9	1	3·5	4	..	2	1	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	3	4	4	4	2	5	..	6	5	6	3·9	7	3	3	..	1	3	..
IV.	1. DEV. DISEASES OF CHILDREN	39	36	37	39	34	24	46	46	31	44	37·6	32	32	32	..	..	..	..
	2. „ OF ADULTS .	9	10	5	1	10	6	5	5	4	9	6·4	5	..	..	4	1	..	..
	3. „ OF OLD PEOPLE	51	27	36	42	44	56	42	48	34	36	41·6	35	..	..	..	..	16	19
	4. DISEASES OF NUTRITION .	75	51	68	43	60	67	84	93	81	109	73·1	74	63	64	1	2	7	..
V.	*1 ACCIDENT OR NEGLIGENCE .	28	29	25	22	49	40	35	40	40	40	34·8	31	9	16	3	9	3	..
	3. HOMICIDE	1	1	1	3	5	1	..	2	5	4	2·3	4	4	4	..	..	..	..
	4. SUICIDE	1	9	3	4	3	7	5	4	10	7	5·3	8	..	2	3	2	1	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	2	·2	..	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	2	3	1	10	5	8	6	7	..	3	4·5	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	19	5	11	..	22	14	4	2	3	7	8·7	9†	2	2	..	..	..	1

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

† Averages amounting to 6 are added, without distinction of ages. See note *, page 230.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 16 1859	July 14 1860	July 13 1861	July 12 1862	July 11 1863	July 16 1864	July 15 1865	July 14 1866	July 13 1867	July 11 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 17, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	71°·0	57°·4	61°·5	58°·2	65°·0	60°·8	61°·4	68°·2	60°·0	65°·7	62°·9	Mean Temp 66°·9						
I.	ORDER 1.																		
	1. Small-pox	19	9	4	3	55	14	12	44	13	9	18·2	2	2	2	..	..	..	..
	2. Measles	20	61	21	38	19	81	26	60	11	31	36·8	35	33	35	..	..	..	..
	3. Scarlet Fever (Scarlatina)	37	29	30	48	113	58	37	44	23	39	45·8	77	53	73	3	1	..	..
	4. Diphtheria	11	5	9	10	7	10	7	14	11	14	9·8	4	4	4	..	..	..	..
	5. Quinsy	1	..	3	3	3	1	..	2	1	..	1·4	..	..	..	..	..	..	..
	6. Croup	5	3	17	15	19	7	10	11	13	8	10·8	8	8	8	..	..	..	..
	7. Whooping-cough	20	27	57	34	31	25	32	52	33	42	35·3	77	76	77	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	40	22	27	51	43	67	69	38	44	59	46·0	14 17 11	1 5 7	4 9 10	3 4 ..	7 4 ..	 1	..
	9. Erysipelas	9	9	3	5	9	7	2	4	4	5	5·7	6	1	2	1	3	..	..
	10. Puerperal Fever (Metria)	2	2	2	2	4	1	2	1	2	3	2·1	1	..	..	1	..	..	..
	11. Carbuncle	1	..	1	..	2	1	..	3	2	1	1·1	1	..	..	1	..	..	..
	12. Influenza	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	13. Dysentery	2	4	4	1	1	3	4	5	1	5	3·0	3	1	1	..	..	2	..
	14. Diarrhœa	264	21	87	39	91	97	267	150	115	300	143·1	102	96	97	2	..	2	1
	15. Simple Cholera	25	..	5	3	10	2	11	32	12	19	11·9	11	9	9	1	..	1	..
	16. Ague	..	..	1	..	2	..	1	..	..	..	·4	1	..	..	..	..	1	..
	17. Remittent Fever	3	1	3	..	3	1	2	1	..	..	1·4	..	..	..	..	..	..	..
	18. Rheumatism	7	8	8	9	7	6	4	11	5	9	7·4	5	..	2	1	2	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	5	6	11	2	4	10	5	8	14	7	7·2	12	11	11	..	1	..	..
	2. Stricture of Urethra	2	..	..	1	..	..	2	..	2	2	·9	..	..	..	..	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	1	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	2. Want of Breast-milk	13	7	7	9	5	10	18	20	9	16	11·4	7	7	7	..	..	..	..
	3. Purpura and Scurvy	2	1	2	1	3	1	2	1	3	2	1·8	1	..	1	..	..	..	..
	4. Alcoholism (*a* Del. Tremens)	4	3	..	1	1	..	2	3	..	2	1·6	4	..	..	4	..	..	..
	4. Alcoholism (*b* Intemperance)	5	1	..	..	..	1	3	4	..	1	1·5	1	..	..	..	1	..	..
	ORDER 4.																		
	1. Thrush	3	..	1	4	1	1	5	7	6	7	3·5	2	2	2	..	..	..	..
	2. Worms, &c.	1	..	..	..	..	..	1	..	..	..	·2	2	..	1	..	1	..	..
II.	ORDER 1.																		
	1. Gout	1	1	..	2	1	..	1	1	2	..	·9	1	..	..	..	1	..	..
	2. Dropsy	8	10	11	16	9	7	12	14	6	10	10·3	9	2	2	..	2	5	..
	3. Cancer	20	25	24	29	19	27	18	31	24	33	25·0	39	..	2	3	21	13	..
	4. Cancrum Oris (Noma)	..	2	..	1	..	2	..	1	1	..	·7	..	..	..	..	..	..	..
	5. Mortification	1	..	1	3	1	2	4	6	1	6	2·5	5	..	..	..	..	3	2
	ORDER 2.																		
	1. Scrofula	14	13	13	18	13	7	13	19	6	9	12·5	1	1	1	..	..	..	..
	2. Tabes Mesenterica	25	13	28	21	25	18	32	32	34	29	25·7	24	23	23	1	..	..	..
	3. Phthisis	160	152	146	136	131	159	138	178	195	160	155·5	163	19	41	62	50	10	..
	4. Hydrocephalus	49	26	26	32	27	26	28	44	22	24	30·4	23	20	23	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	13	9	12	18	14	15	15	16	26	19	15·7	20	10	16	4	..	..	..
	2. Apoplexy	32	36	22	23	32	35	26	36	33	29	30·4	26	3	3	..	9	11	3
	3. Paralysis	34	20	14	24	19	16	24	28	36	26	24·1	24	..	..	2	6	15	1
	4. Insanity	2	1	1	..	1	..	..	1	6	1	1·3	2	..	..	..	2	..	..
	5. Chorea	..	..	..	..	1	..	..	1	..	..	·2	1	..	..	..	1	..	..
	6. Epilepsy	8	4	5	11	2	6	6	4	6	8	6·0	9	..	3	3	3	..	..
	7. Convulsions	55	35	30	38	34	38	44	50	48	43	41·5	54	54	54	..	..	..	..
	8. *Brain Disease, &c.*	16	17	17	16	17	24	20	29	12	20	18·8	15	1	4	1	5	4	1
	ORDER 2.																		
	1. Pericarditis	3	3	3	2	3	6	1	1	..	..	2·2	..	..	..	..	..	..	..
	2. Aneurism	1	4	3	1	5	2	5	4	2	1	2·8	..	..	..	..	..	..	..
	3. *Heart Disease, &c.*	43	50	39	40	57	55	49	59	52	52	49·6	55	1	5	13	21	15	1
	ORDER 3.																		
	1. Laryngitis	5	3	2	4	10	4	4	5	2	8	4·7	9	4	5	2	1	1	..
	2. Bronchitis	51	61	58	55	63	58	47	63	54	50	56·0	80	41	41	..	11	28	..
	3. Pleurisy	..	1	2	5	2	4	2	2	1	3	2·2	4	..	1	..	2	1	..
	4. Pneumonia	29	48	55	53	36	48	36	44	42	40	43·1	52	30	31	10	5	4	2
	5. Asthma	4	5	6	6	6	5	4	2	4	4	4·6	6	..	..	1	3	2	..
	6. *Lung Disease, &c.*	3	5	11	6	7	11	12	12	16	11	9·4	11	5	7	..	1	1	2
	ORDER 4.																		
	1. Gastritis	1	3	1	..	5	2	1	..	1	2	1·6	3	..	1	1	..	1	..
	2. Enteritis	12	13	10	6	10	11	8	10	6	7	9·3	5	3	4	..	1	..	..
	3. Peritonitis	4	3	7	8	7	5	2	3	3	5	4·7	1	..	..	1	..	..	..
	4. Ascites	5	4	3	1	5	..	2	1	6	1	2·8	..	..	..	..	..	..	..
	5. Ulceration of Intestines	4	2	3	1	4	2	4	5	4	2	3·1	4	..	1	1	2	..	..
	6. Hernia	3	..	5	3	2	2	4	2	..	4	2·5	4	1	1	..	..	3	..
	7. Ileus	1	4	5	2	2	3	8	2	6	..	3·3	3	1	1	..	2	..	..
	8. Intussusception	..	..	1	..	..	1	1	1	1	..	·5	1	..	..	1	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

the TWENTY-EIGHTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 16 1859	July 14 1860	July 13 1861	July 12 1862	July 11 1863	July 16 1864	July 15 1865	July 14 1866	July 13 1867	July 11 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 17, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	71°·0	57°·4	61°·5	58°·2	65°·0	60°·8	61°·4	68°·2	60°·0	65°·7	62°·9	Mean Temp. 66°·9						
	9. Stricture of Intestines	1	4	1	..	1	2	..	..	2	1	1·2	1	..	..	..	..	1	..
	10. Fistula	1	..	..	2	..	..	1	..	..	..	·4	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	8	6	6	5	5	9	9	12	7	6	7·3	5	1	1	..	2	2	..
	12. *Pancreas Disease, &c.*	..	..	1	..	..	..	1	..	..	..	·2	..	..	..	..	..	..	..
	13. Hepatitis	4	4	2	3	2	4	4	2	6	4	3·5	3	1	1	..	1	1	..
	14. Jaundice	8	..	2	2	..	7	7	3	5	1	3·5	2	2	2	..	..	..	..
	15. *Liver Disease, &c.*	20	11	12	8	17	14	20	15	12	14	14·3	16	..	1	4	7	4	..
	16. *Spleen Disease, &c.*	1	1	..	..	..	..	..	..	2	..	·4	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	1	..	..	1	..	1	3	1	·7	2	..	1	..	..	1	..
	2. Ischuria	..	..	..	..	..	..	1	..	1	..	·2	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	3	5	7	5	8	7	8	9	5	7	6·4	5	..	..	2	2	1	..
	4. Diabetes	..	2	1	..	1	3	1	2	1	..	1·1	1	..	..	..	..	1	..
	5. Calculus (Stone)	..	2	1	..	..	2	..	1	1	..	·7	1	..	..	1	..	..	..
	6. Cystitis	..	..	..	1	..	..	..	5	1	2	·9	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	6	7	9	5	6	12	6	7	7	8	7·3	5	..	..	1	3	1	..
	ORDER 6.																		
	1 Ovarian Dropsy	..	2	..	..	1	..	1	1	..	..	·5	2	..	..	..	1	1	..
	2. *Uterus Disease, &c.*	5	2	4	4	3	4	6	5	4	4	4·1	2	..	..	1	1	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	1	..	..	..	·1	1	..	..	1	..	..	..
	2. *Joint Disease, &c.*	7	2	1	1	6	1	4	2	9	1	3·4	3	..	2	..	1	..	..
	ORDER 8.																		
	1. Phlegmon	1	3	3	1	..	4	..	3	1	2	1·8	2	1	1	..	..	1	..
	2. Ulcer	1	..	1	2	1	1	..	1	1	1	·9	5	2	2	..	1	2	..
	3. *Skin Disease, &c.*	1	1	..	1	1	..	..	2	3	3	1·2	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	10	20	13	25	16	11	29	26	13	24	18·7	16	16	16	..	..	..	..
	2. Cyanosis	2	1	3	2	1	3	2	1	1	2	1·8	1	1	1	..	..	..	..
	3. Spina Bifida	..	..	3	1	..	1	3	1	1	1	1·1	1	1	1	..	..	..	..
	4. Other Malformations	2	1	2	2	3	..	3	3	2	4	2·2	1	1	1	..	..	..	..
	5. Teething	25	14	16	9	14	9	9	15	14	13	13·8	13	13	13	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	1	..	..	..	..	..	..	..	1	·2	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	9	9	5	1	10	6	5	5	4	8	6·2	5	..	..	4	1	..	..
	ORDER 3.																		
	1. Old Age	51	27	36	42	44	56	42	48	34	36	41·6	35	..	..	..	..	16	19
	ORDER 4.																		
	1. Atrophy and Debility	75	51	68	43	60	67	84	93	81	109	73·1	74	63	64	1	2	7	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	9	14	12	15	26	23	16	12	17	18	16·2	18	..	3	1	6	3	..
	2. Wounds	1	..	1	..	2	1	..	..	2	..	·7	..	..	..	..	..	..	..
	3. Burns and Scalds	6	2	..	4	1	4	5	5	2	3	3·2	1	1	1	..	..	..	..
	4. Poison	..	..	..	1	..	..	2	1	..	..	·4	..	..	..	..	..	..	..
	5. Drowning	9	8	8	1	9	3	7	12	12	13	8·2	6	..	4	1	1	..	..
	6. Suffocation	3	3	3	1	6	5	4	6	7	5	4·3	7	6	6	..	1	..	..
	7. Otherwise	..	2	1	..	5	4	1	4	..	1	1·8	4	2	2	1	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	1	1	1	3	5	1	..	2	5	4	2·3	4	4	4	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	1	..	1	..	1	1	1	·5	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	..	1	..	.	4	..	1	4	..	1·1	2	..	..	2	..	..	..
	2. Poison	..	3	..	..	1	1	1	..	2	2	1·0	1	..	..	..	1	..	..
	3. Drowning	..	2	2	..	2	..	2	..	2	2	1·2	3	..	1	1	1	..	..
	4. Hanging	..	4	..	3	..	1	2	2	1	..	1·3	2	..	1	..	..	1	..
	5. Otherwise	..	..	..	..	..	..	..	..	..	2	·2	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	2	·2	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	2	3	1	10	5	8	6	7	..	3	4·5	..	..	..	..	..	..	..
	Causes not specified or ill-defined	19	5	11	..	22	14	4	2	3	7	8·7	9†	2	2	..	..	..	1

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when ne result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture f the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2

† Averages amounting to 6 are added, without distinction of ages. See note *, page 230.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 17th July 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.	Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. Osler's. General Direction. P.M.	Wind. Osler's. Pressure on square foot. Greatest.	Wind. Osler's. Pressure on square foot. Least.	Wind. Osler's. Pressure on square foot. Mean of 24 Obs	Wind. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
July.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . 11	..	30·180	78·1	49·4	28·7	63·9	53·8	139·5	42·2	64·4	62·4	10·1	20·4	4·8	+ 2·1	70	ESE.	ESE. &E.	2·2	0·0	0·1	180	0·00	4
Monday . 12	Perigee	29·929	86·7	50·9	35·8	70·4	59·9	139·5	45·0	63·4	62·4	10·5	24·5	0·4	+ 8·4	69	Calm & SW.	SW.	1·3	0·0	0·1	159	0·00	2
Tuesday . 13	..	30·035	71·1	53·4	17·7	59·9	51·4	125·0	50·0	65·4	63·4	8·5	18·4	0·8	— 2·4	73	NNE.&NE.	N&NNE.	1·2	0·0	0·3	262	0·14	2
Wednesday 14	..	30·102	76·3	50·3	26·0	62·9	53·2	131·0	43·8	65·4	63·4	9·7	21·4	0·0	+ 0·4	71	N.&NNW	W.	1·2	0·0	0·1	186	0·00	0
Thursday . 15	In Equator	30·081	79·0	57·2	21·8	66·5	58·4	119·5	55·3	66·4	64·4	8·1	18·0	0·0	+ 4·0	75	WSW. & WNW.	NW. & NNW.	0·9	0·0	0·1	220	0·00	0
Friday . . 16	First Quarter	30·010	84·0	58·9	25·1	71·1	64·4	119·2	57·3	66·9	63·4	6·7	19·9	0·0	+ 8·7	80	WSW. & NW.	N. & Calm	0·0	0·0	0·0	104	0·00	0
Saturday . 17	..	29·919	89·0	60·4	28·6	73·5	62·5	141·8	53·7	66·9	63·9	11·0	24·0	0·9	+11·3	69	Calm & NE.	NE. & E. by S.	0·7	0·0	0·0	105	0·00	1
Means . .	..	30·037	80·6	54·4	26·2	66·9	57·7	130·8	49·6	65·5	63·3	9·2	20·9	1·0	+ 4·6	72	Variable.		..	..	..	Sum 1216	Sum 0·14	1·3
No. of Columns.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. July.		Electricity.	Sky and Atmosphere.
Sunday .	11	No electricity was shown.	Cloudless throughout. A very fine day.
Monday .	12	Positive, with strong tension at night.	A very fine day; cloudless till the afternoon; afterwards generally cloudy. A little rain fell about 9h. P.M.
Tuesday .	13	No electricity was shown.	Overcast throughout the morning, and rain fell frequently between 6h. A.M. and 10h. A.M.; very fine during the remainder of the day, and light clouds prevailed.
Wednesday	14	Weak positive was shown in the morning.	Very fine; light clouds prevailed.
Thursday .	15	No electricity was shown.	Generally cloudy throughout the morning; very fine and cloudless afterwards.
Friday .	16		A very fine day; partially cloudy. Very misty in the morning.
Saturday .	17		A very fine day; light clouds and haze prevailed till the afternoon.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer was 30·24 in. at the beginning of the week; and remained at this reading till after 10h. A.M. on the 11th; decreased to 29·89 in. by 9h. P.M. on the 12th; increased to 30·13 in. by 9h. A.M. on the 14th; decreased to 30·07 in. by 9h. P.M. on the same day; increased to 30·12 in. by 9h. A.M. on the 15th; decreased to 29·90 in. by 3h. P.M. on the 17th; and was 29·92 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 29. 1869. Vol. XXX.] Week ending Saturday, July 24. [Price with Supplement] 3*d.*

General Register Office, Somerset House,
26th July 1869.

In the week that ended on Saturday, 24th July, 4437 births, and 3239 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 26 per 1000 persons living.

The annual rate of mortality last week was 26 per 1000 in London, 32 in Edinburgh, and 16 in Dublin; 23 in Bristol, 14 in Birmingham, 27 in Liverpool, 35 in Manchester, 28 in Salford, 27 in Sheffield, 24 in Bradford, 25 in Leeds, 24 in Hull, 20 in Newcastle-upon-Tyne, and 35 in Glasgow. The increase of deaths shown in most of the towns last week was due to the greater fatality from diarrhœa. The annual death-rate in the week from this disease was 4·2 per 1000 in London, 3·8 in Liverpool, and 6·2 in Manchester and Salford. The return from Birmingham was remarkably favourable, and showed but a slight mortality from diarrhœa.

In Paris the annual rate of mortality in the week ending last Saturday (24th July) was 23 per 1000. The rate in Berlin during the seven days ending 15th instant was 37 per 1000, and in Vienna 31 per 1000 during the week ending 17th instant. During the above-mentioned weeks the annual rate of mortality from diarrhœa in these foreign capitals was 0·7 per 1000 in Paris, 11·2 in Berlin, and 5·7 in Vienna.

In London the births of 1076 boys and 1043 girls, in all 2119 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2030.

The deaths registered in London during the week were 1600. It was the twenty-ninth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1514. The deaths in the present return exceed by 86 the estimated amount, and exceed by 287 the number recorded in the preceding week.

The deaths from zymotic diseases were 569, the corrected average number being 553. Five deaths from small-pox, 23 from measles, 75 from scarlet fever, 4 from diphtheria, 67 from whooping-cough, 8 from typhus fever, 21 from enteric fever, and 14 from simple continued fever were registered.

The deaths of 249 children and 4 adults from diarrhœa were recorded; in the preceding week the total number was 102. Thirty-five cases occurred in the West, 96 in the North, 28 in the Central, 50 in the East, and 44 in the South districts.

Simple cholera or choleraic diarrhœa proved fatal to 32 children and one adult.

A gentleman, aged 62 years, died on 19th July at 141 Marylebone-road, from "choleraic diarrhœa (3 days)."

One hundred and sixty-six persons died from phthisis, 64 from bronchitis, and 76 from pneumonia.

Thirty-four deaths were caused by apoplexy, and 36 by paralysis; in the preceding week the deaths from these diseases were 26 and 24 respectively.

The deaths of 2 persons from alcoholism, of 8 infants and one adult from syphilis, of 4 children and 2 adults from burns or scalds, of 7 persons from drowning, of 8 infants from suffocation, and of 10 persons who committed suicide were registered.

The widow of a coffee-house-keeper, aged 60 years, died on 17th July at 3 Grosvenor-mews, Hanover-square, from "serous apoplexy, caused by the heat."

A labourer, aged 55 years, was found drowned on 17th July, at Bow-creek, Bromley, he was stated to be "of unsound mind from sunstroke." (*Inquest.*)

The daughter of a general dealer, aged 2 years, died on 21st July at 1 Essex-street, Bethnal-green, from "coup de soleil."

The son of a sergeant-major, aged 6 years, died on 19th July at the Artillery Barracks, Woolwich, from "sunstroke (10 hours)."

A joiner, aged 35 years, died on 22d July at Lee, from "cerebral disease (6 years), apoplexy; exciting cause, sunstroke." *Post mort.*

The following deaths of 5 children who were killed by horses or vehicles in the streets were recorded:—

The son of a tailor, aged 5 years, "rupture of liver; run over by a van." Died on 17th July in the Middlesex Hospital. *Post mort.* (*Inquest.*)

The daughter of a glazier, aged 4 years, "fracture of base of skull; run over by a van." Died on 17th July in the London Hospital. (*Inquest.*)

The son of a pipe-maker, aged 6 years, "fractured skull; run over by a van." Died on 19th July at 7 Upper York-place, Mile-end (Old Town Eastern). (*Inquest.*)

The daughter of a boot-maker, aged 20 months, "injury to the spinal cord; run over by an omnibus." Died on 13th July in St. Thomas's Hospital. (*Inquest.*)

The son of a hawker, aged 11 years, "thrown from a cart." Died on 19th July at Albert-road, Wandsworth. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·886 in. The barometrical reading decreased from 30·02 in. on Tuesday, 20th July, to 29·75 in. on Thursday, 22d July. The mean temperature of the air in the week was 66·0°, which is 4·4° above the average of the same week in 50 years (as determined by Mr. Glaisher). On Sunday, 18th July, the mean temperature was 11·4°, on Thursday, 22d July, 11·4°, and on Friday, 23d July, 5·0° above the average. The highest day temperature was 90·9° on Thursday, 22d July. The lowest night temperature was 51·1° on Thursday, 22d July. The entire range of temperature was, therefore, 39·8°. The mean of the highest temperatures of the water of the Thames was 68·7°; that of the lowest was 66·2°. The difference between the mean dew-point temperature and air temperature was 7·8°. The mean degree of humidity of the air was 76, complete saturation being represented by 100. No rain fell. The general direction of the wind was variable. The amount of ozone was greater than in the preceding week.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 166,348 cubic metres, and at Barking 150,463 cubic metres, equivalent to about as many tons by weight.

A Supplement to the Weekly Return of births and deaths is published this week; it contains a valuable and interesting letter from Professor Frankland to the Registrar General, on the analyses of the water supplied to the Metropolis.

LONDON.—Births and Deaths Registered last Week, and in the Twenty-ninth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total **Births**	1603	1636	1819	1812	1810	1870	1953	2023	1910	2014	1845·0	2119
Males . .	855	809	905	921	930	976	1033	1008	976	1017	943·0	1076
Females . .	748	827	914	891	880	894	920	1015	934	997	902·0	1043
Total **Deaths**	1605	975	1171	1111	1364	1399	1467	1798	1230	1642	1376 2	1600
Males . .	861	532	592	585	725	701	739	908	637	876	715 6	824
Females . .	744	443	579	526	639	698	728	890	593	766	660·6	776

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

BIRTHS and DEATHS registered, and METEOROLOGY during the Week ending Saturday, the 24th day of July 1869, in the following large TOWNS.

(The municipal boundaries are used for each of the English Towns, except LONDON.)

BOROUGHS, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	BIRTHS. Corrected Average Weekly Number in 10 Years 1851-60.	BIRTHS. Registered during the Week ending 24th July.	DEATHS. Corrected Average Weekly Number in 10 Years 1851-60.	DEATHS. Registered during the Week ending 24th July.	TEMPERATURE OF THE AIR. (FAHRENHEIT.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	RAIN FALL. In Inches.	In Tons per Acre.	TEMPERATURE OF THE AIR. (CENTIGRADE.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	RAIN FALL per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4437**	**3244**	**3289**	**90·9**	**42·0**	**63·9**	**0·11**	**11**	**32·72**	**5·56**	**17·72**	**28**
LONDON (Metropolis . .	3,170,754	40·7	2070	2119	1462	1600	90·9	51·1	66·0	0·00	0	32·72	10·62	18·89	0
BRISTOL . . (City) .	169,423	36·1	109	106	76	76 *	89·8	51·4	65·4	0·00	0	32·12	10·78	18·55	0
BIRMINGHAM . (Borough) .	360,846	46·1	283	210	175	100	87·6	49·0	65·0	0·00	0	30·90	9·44	18·33	0
LIVERPOOL . . (Borough) .	509,052	99·7	345	323	295	265	79·9	53·3	63·3	0·01	1	26·61	11·84	17·39	3
MANCHESTER . (City) .	370,892	82·7	277	185	210	250 *	89·4	51·0	65·2	0·07	7	31·89	10·56	18·44	18
SALFORD . . (Borough) .	119,350	23·1	89	104	60	64	81·9	50·9	64·2	0·05	5	27·72	10·50	17·89	13
SHEFFIELD . . (Borough) .	239,752	10·5	196	177	126	123	83·0	51·0	63·6	0·00	0	28·33	10·56	17·56	0
BRADFORD . . (Borough) .	138,522	21·0	105	85	71	65	84·9	51·1	64·0	0·00	0	29·39	10·62	17·78	0
LEEDS . . . (Borough) .	253,110	11·7	189	211	129	123	84·0	52·0	64·4	0·07	7	28·89	11·11	18·00	18
HULL . . . (Borough) .	126,682	35·6	83	64	59	58	..	..	..	..	..	..	..	..	..
NEWCASTLE-ON-TYNE (Borough)	130,503	24·5	90	82	69	49	79·0	52·0	61·8	0·00	0	26·11	11·11	16·56	0
EDINBURGH . (City) .	178,002	40·2	112	144	86	108	79·7	42·0	61·3	0·10	10	26·50	5·56	16·28	25
GLASGOW . . (City) .	458,937	90·6	374	442	268	309	77·9	48·2	62·7	1·00	101	25·50	9·00	17·06	254
DUBLIN (City and some suburbs)	320,762	32·9	219	185	158	99	79·4	46·5	64·2	0·17	17	26·33	8·06	17·89	43
PARIS . . . (City) .	1,889,842	..	..	..	..	817	..	..	..	..	..	..	..	..	..
				Week ending 17th July, 1869.		Week ending 17th July 1869.	Week ending 17th July 1869.					Week ending 17th July 1869.			
VIENNA . . (City) .	(1863) 560,000	..	..	..	..	335	..	..	66·0	..	..	..	..	18·88	..
				Week ending 22d July 1869.		Week ending 22d July 1869.	Week ending 22d July 1869.					Week ending 22d July 1869.			
BERLIN . . (City) .	(1867) 702,437	..	..	515	..	513	..	..	61·7	..	..	..	..	16·50	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester: G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 24th July, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2119	1600	5	23	75	4	67	43	253
WEST DISTRICTS -	326	263	1	3	9	–	10	5	35
NORTH DISTRICTS -	517	411	2	10	14	–	14	9	96
CENTRAL DISTRICTS	231	176	–	1	11	–	15	2	28
EAST DISTRICTS -	432	328	–	3	28	–	10	12	50
SOUTH DISTRICTS -	613	422	2	6	13	4	18	15	44
WEST DISTRICTS.									
St. Mary Paddington *WH*	38	28	–	–	1	–	–	2	6
St. John Paddington H	15	12	–	1	–	–	–	1	1
Kensington Town *W* -	55	54	1	–	6	–	3	1	7
Brompton H - -	17	9	–	–	–	–	–	–	1
St. Peter Hammersmith	4	4	–	–	–	–	1	–	–
St. Paul Hammersmith	27	22	–	1	1	–	1	–	6
Fulham *W* - - -	20	10	–	–	–	–	–	–	1
Chelsea South H - -	12	10	–	–	–	–	2	1	–
ChelseaNorth-west H*Ww*	13	18	–	–	–	–	–	–	2
Chelsea North-east -	12	13	–	–	–	–	1	–	–
Hanover Square - -	11	6	–	–	–	–	–	–	1
May Fair *W* - -	3	5	–	–	1	–	–	–	1
Belgrave H - - -	35	18	–	1	–	–	–	–	4
St. John Westminster -	24	19	–	–	–	–	1	–	4
St. Margaret West. *WH*	16	16	–	–	–	–	1	–	1
St. James's Square -	6	3	–	–	–	–	–	–	–
Golden Square *W* -	7	4	–	–	–	–	–	–	–
Berwick-street - -	4	4	–	–	–	–	–	–	–
St. Anne Soho - - -	6	8	–	–	–	–	–	–	–
NORTH DISTRICTS.									
All Souls Marylebone H	11	23	–	1	1	–	1	1	5
Cavendish Square - -	7	8	–	–	–	–	–	–	1
Rectory Marylebone *W*	21	15	–	1	–	–	–	–	3
St. Mary Marylebone -	13	13	–	–	–	–	–	–	6
Christchurch Marylebone	25	20	–	–	1	–	2	–	6
St. John Marylebone -	21	30	–	–	–	–	2	–	12
Hampstead *W* - -	19	8	–	2	1	–	–	–	–
Regent's Park Pancras -	27	21	–	1	–	–	1	1	4
Tottenham-court *w*H -	19	23	–	–	–	–	–	–	–
Gray's Inn Lane H -	15	15	–	–	1	–	–	–	5
Somers Town - -	18	17	–	–	–	–	–	–	4
Camden Town *W* -	27	11	–	1	–	–	–	1	1
Kentish Town - -	53	33	–	2	–	–	2	–	8
Islington West* *WHH*	75	56	2	1	2	–	3	3	13
Islington East *Ww* -	78	56	–	–	2	–	2	1	16
Stoke Newington - -	5	–	–	–	–	–	–	–	–
Stamford Hill - -	–	1	–	–	–	–	–	–	–
West Hackney - -	18	17	–	–	2	–	–	–	5
Hackney *WHw* - -	37	30	–	1	2	–	1	2	3
South Hackney L -	28	14	–	–	2	–	–	–	4
CENTRAL DISTRICTS.									
St. George Bloomsbury -	13	11	–	–	–	–	–	–	3
St. Giles South *W* -	25	15	–	–	1	–	2	–	4
St. Giles North - -	5	4	–	–	1	–	–	–	1
Long Acre - - -	12	1	–	–	–	–	1	–	–
Charing Cross *WH* -	2	8	–	–	–	–	–	–	1
St. Mary-le Strand -	7	2	–	–	–	–	–	–	1
St. Clement Danes H -	2	4	–	–	–	–	–	–	1
St. George-the-Martyr H	9	9	–	–	–	–	2	–	1
St. Andrew, East Holb. *W*	12	8	–	–	–	–	–	–	2
Saffron Hill - - -	5	5	–	–	–	–	–	–	–
St. James Clerkenwell *W*	19	19	–	–	2	–	2	–	3
Amwell Clerkenwell -	10	6	–	1	–	–	–	–	1
Pentonville - - -	5	3	–	–	–	–	–	–	–
Goswell-street - -	8	5	–	–	–	–	1	–	1
Old-street - - -	17	12	–	–	2	–	2	–	3
City-road HL - -	21	13	–	–	2	–	1	–	–
Whitecross-street - -	9	6	–	–	–	–	–	–	–
Finsbury - - -	5	5	–	–	–	–	1	–	–
St. Botolph East London	13	11	–	–	1	–	1	–	2
Cripplegate - - -	5	5	–	–	–	–	1	–	1
West London North *WH*	4	16	–	–	2	–	–	2	2
West London South -	12	3	–	–	–	–	–	–	1
London City South-west	2	2	–	–	–	–	1	–	–
London City North-west	2	1	–	–	–	–	–	–	–
London City South -	1	2	–	–	–	–	–	–	–
London City South-east	2	–	–	–	–	–	–	–	–
London City North-east	4	–	–	–	–	–	–	–	–

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.
EAST DISTRICTS.								
Holywell Shoreditch -	8	13	–	–	1	–	–	1
St. Leonard Shrdtch. L†	12	10	–	–	1	–	1	–
Hoxton New Town *w* -	17	15	–	–	–	–	1	1
Hoxton Old Town - -	25	11	–	–	1	–	–	–
Haggerstone West *W* -	15	15	–	–	2	–	–	–
Haggerstone East - -	15	7	–	–	1	–	–	–
Hackney-road - -	27	20	–	–	2	–	–	3
Green, Bthnl.Grn. *W*HL†	22	19	–	–	–	–	–	1
Church, Bethnal Green	18	13	–	–	1	–	1	1
Town, Bethnal Green -	20	9	–	1	1	–	1	–
Artillery Whitechapel -	1	2	–	–	–	–	–	–
Spitalfields - - -	7	9	–	–	–	–	–	–
Mile End New Town *W*	9	8	–	–	–	–	–	1
Whitechapel North -	8	5	–	–	–	–	–	1
Whitechapel Church H	5	15	–	–	–	–	1	–
Goodman's Fields - -	6	6	–	–	–	–	–	–
Aldgate - - - -	6	7	–	–	2	–	1	–
St. Mary St. Geo. East -	9	7	–	–	–	–	–	–
St. Paul St. Geo. East -	21	14	–	–	1	–	1	–
St. John St. Geo. East *W*	5	7	–	–	–	–	–	–
Shadwell *W* - - -	7	6	–	–	–	–	–	–
Ratcliff *W* - - -	10	9	–	–	2	–	–	1
Limehouse *W* - -	22	10	–	–	2	–	–	–
Mile End Old Town, West	22	19	–	1	2	–	2	1
Mile End Old T., East *Ww*	29	22	–	1	2	–	1	1
Bow *ww*L† - - -	50	33	–	–	4	–	–	–
Poplar *W* - - -	36	17	–	–	3	–	–	–
SOUTH DISTRICTS.								
Christchurch Sthwark. *W*	14	10	–	1	–	–	–	–
St. Saviour Southwark H	5	6	–	–	–	1	–	–
St. Olave Southwark H	3	5	–	–	1	–	–	–
St. John Horsleydown *W*	5	10	2	–	1	–	–	–
St. James Bermondsey -	33	18	–	–	–	–	1	–
St. Mary Magdalen *W*	20	3	–	–	–	–	–	–
Leather Market - -	14	16	–	–	–	–	3	2
Kent-road - - -	6	12	–	1	2	–	–	1
Borough-road *W* - -	14	14	–	–	–	–	–	–
London-road L - -	15	12	–	–	–	–	1	–
Trinity Newington -	14	11	–	–	–	–	2	–
St. Peter Walworth *W*	34	21	–	1	–	–	1	1
St. Mary Newington H -	7	13	–	–	–	–	–	–
Waterloo-road 1st - -	13	8	–	–	–	–	–	1
Waterloo-road 2nd -	23	11	–	1	–	–	–	–
Lambeth Church 1st -	11	12	–	–	–	–	–	1
Lambeth Church 2nd *W*	19	20	–	–	–	–	1	1
Kennington 1st - -	24	21	–	–	–	1	–	–
Kennington 2nd - -	16	5	–	–	–	–	–	–
Brixton - - - -	19	10	–	–	–	–	–	–
Norwood *W* - - -	5	3	–	–	–	–	–	–
Clapham - - -	17	7	–	–	–	–	–	1
Battersea *Ww* - -	44	17	–	2	–	–	1	1
Wandsworth L - -	10	9	–	–	–	–	–	–
Putney - - - -	2	1	–	–	–	–	–	–
Streatham - - -	11	5	–	–	2	–	–	–
Dulwich - - -	–	2	–	–	–	–	–	–
Camberwell *WL*†L† -	9	10	–	–	–	–	–	–
Peckham - - -	22	16	–	–	–	–	1	1
St. George Camberwell -	23	17	–	–	3	–	–	2
Rotherhithe *W* - -	18	13	–	–	–	–	1	–
St. Paul Deptford - -	24	18	–	–	2	–	1	2
St. Nicholas Deptford -	2	2	–	–	–	–	–	–
Greenwich West H -	11	7	–	–	–	–	–	–
Greenwich East *WH* -	10	13	–	–	2	–	–	–
Eltham - - - -	1	–	–	–	–	–	–	–
Lee - - - - -	7	4	–	–	–	–	–	–
Lewisham Village *W* -	9	8	–	–	–	–	–	–
Sydenham - - -	17	7	–	–	–	1	2	–
Charlton H - - -	10	2	–	–	–	–	–	–
Woolwich Dockyard H	12	8	–	–	–	1	1	–
Woolwich Arsenal H -	16	2	–	–	–	–	2	–
Plumstead, West - -	15	8	–	–	–	–	–	1
Plumstead, East - -	9	5	–	–	–	–	–	–

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - ,, ,, Bow sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

Deaths in London, from All Causes, Registered in the Twenty-ninth Week of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 23 1859	July 21 1860	July 20 1861	July 19 1862	July 18 1863	July 23 1864	July 22 1865	July 21 1866	July 20 1867	July 18 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 24, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	69°·0	59°·0	61°·3	59°·5	61°·0	66°·5	63°·6	62°·2	59°·0	70°·7	63°·2	Mean Temp. 66°·0						
	ALL CAUSES . . .	1605	975	1171	1111	1364	1399	1467	1798	1230	1642	1376·2	1600	897	1010	161	184	207	38
	SPECIFIED CAUSES .	1563	950	1143	1100	1357	1373	1449	1790	1224	1637	1358·6	1594	894	1007	161	183	205	38
	(Classes.)																		
I.	ZYMOTIC DISEASES .	695	239	356	329	503	475	540	847	365	677	502·6	569	475	517	16	15	20	1
II.	CONSTITUTIONAL „ .	285	207	238	243	263	260	275	278	256	281	258·6	316	100	131	84	72	25	4
II.	LOCAL „ .	362	369	349	368	366	434	391	442	406	425	391·2	505	192	220	49	85	136	15
IV.	DEVELOPMENTAL „ .	162	102	160	119	169	161	184	173	158	204	159·2	155	109	110	2	3	22	18
V.	VIOLENT DEATHS . .	59	33	40	41	56	43	59	50	39	50	47·0	49	18	29	10	8	2	..
	(Orders.)																		
I.	1. Miasmatic Diseases . .	657	214	332	307	464	448	509	817	330	630	470·8	538	448	490	14	14	19	1
	2. Enthetic „ . .	2	2	5	8	9	4	6	9	10	16	7·1	10	8	8	1	..	1	..
	3. Dietic „ . .	27	20	17	11	24	18	24	15	18	25	19·9	15	13	13	1	1	..	..
	4. Parasitic „ . .	9	3	2	3	6	5	1	6	7	6	4·8	6	6	6	..	..	..	..
II.	1. Diathetic „ . .	44	36	38	41	43	50	47	36	38	50	42·3	51	2	2	4	29	12	4
	2. Tubercular „ . .	241	171	200	202	220	210	228	242	218	231	216·3	265	98	129	80	43	13	..
III.	1. Diseases of Nervous System . .	132	126	117	112	138	163	128	170	141	160	138·7	190	95	106	10	25	44	5
	2. „ of Organs of Circulation .	48	44	66	53	52	47	48	62	60	57	53·7	62	2	9	10	14	27	2
	3. „ of Respiratory Organs . .	93	107	103	117	101	146	96	121	109	126	111·9	158	82	88	15	13	39	3
	4. „ of Digestive Organs . .	64	67	45	59	50	53	76	60	53	53	58·0	56	12	14	8	15	16	3
	5. „ of Urinary Organs . . .	14	12	11	21	12	16	19	13	31	21	17·0	30	..	1	6	12	9	2
	6. „ of Organs of Generation .	7	4	1	3	9	2	9	6	5	2	4·8	3	..	..	..	2	1	..
	7. „ of Organs of Locomotion .	1	6	4	2	1	3	8	8	4	4	4·1	5	..	1	..	4	..	..
	8. „ of Integumentary System .	3	3	2	1	3	4	7	2	3	2	3·0	1	1	1	..	..	..	..
IV.	1. Dev. Diseases of Children	36	31	41	30	44	42	45	51	32	42	39·4	45	45	45	..	..	..	..
	2. „ of Adults . .	3	5	6	2	7	2	6	3	4	2	4·0	2	..	..	2	..	..	..
	3. „ of Old People	50	35	42	40	49	39	35	39	41	43	41·3	36	..	..	..	..	18	18
	4. Diseases of Nutrition .	73	31	71	47	69	78	98	80	81	117	74·5	72	64	65	..	3	4	..
V.	1. Accident or Negligence .	44	20	35	32	51	37	51	46	33	45	39·4	38	17	27	4	5	2	..
*	3. Homicide	6	2	1	4	2	4	..	..	1	2	2·2	1	1	1	..	..	..	..
	4. Suicide	9	11	4	5	3	2	8	4	5	3	5·4	10	..	1	6	3	..	..
	5. Execution	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths not classed	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sudden Deaths, cause unascertained	7	3	11	7	2	8	3	..	1	2	4·4	..	..	..	..	..	..	..
	Causes not specified . .	35	22	17	4	5	18	15	8	5	3	13·2	6	3	3	..	1	2	..

* Order 2., comprising Violent Deaths in Battle, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 23 1859	July 21 1860	July 20 1861	July 19 1862	July 18 1863	July 23 1864	July 22 1865	July 21 1866	July 20 1867	July 18 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 24, 1869. Deaths of Persons of the Ages ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	69°·0	59°·0	61°·3	59°·5	61°·0	66°·5	63°·6	62°·2	59°·0	70°·7	63°·2	66°·0						
I.	ORDER 1.																		
	1. Small-pox	15	11	4	4	51	13	18	35	14	11	17·6	5	3	4	..	1	..	..
	2. Measles	29	51	26	55	16	74	31	62	11	39	39·4	23	21	23	..	..	..	..
	3. Scarlet Fever (Scarlatina)	48	32	27	55	87	53	29	22	34	64	45·1	75	53	71	2	2	..	..
	4. Diphtheria	8	4	12	10	19	15	6	8	6	9	9·7	4	3	3	1	..	..	..
	5. Quinsy	2	1	3	3	4	..	..	..	1	1	1·5	..	..	..	..	..	..	..
	6. Croup	5	6	5	18	24	7	11	6	8	9	9·9	9	6	9	..	..	..	..
	7. Whooping-cough	27	30	57	29	28	36	44	48	35	48	38·2	67	66	67	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	46	28	30	68	53	70	50	49	30	45	46·9	8 21 14	.. 5 5	1 15 6	1 2 2	3 1 2	3 2 4	.. 1 ..
	9. Erysipelas	6	3	4	7	6	7	6	4	4	10	5·7	8	3	3	1	2	2	..
	10. Puerperal Fever (Metria)	3	4	4	1	3	7	2	3	..	2	2·9	3	..	..	3	..	..	..
	11. Carbuncle	..	2	..	2	1	..	2	..	..	..	·7	..	..	..	..	..	..	..
	12. Influenza	..	..	..	..	..	..	1	..	1	..	·2	..	..	..	..	..	..	..
	13. Dysentery	5	2	6	3	2	4	7	5	2	2	3·8	2	1	1	..	..	1	..
	14. Diarrhœa	415	32	134	39	148	145	280	221	170	340	192·4	253	249	249	..	1	3	..
	15. Simple Cholera	39	2	14	2	15	6	18	346	11	37	49·0	33	32	32	..	..	1	..
	16. Ague	..	1	1	1	..	..	1	..	..	..	·4	1	1	1	..	..	..	..
	17. Remittent fever	2	..	1	1	..	4	..	..	..	..	·8	1	..	..	..	..	1	..
	18. Rheumatism	7	5	4	9	7	7	3	8	3	13	6·6	10	..	4	2	2	2	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	2	2	3	7	7	3	6	9	8	14	6·1	9	8	8	1	..	..	..
	2. Stricture of Urethra	..	..	2	..	2	1	..	..	2	2	·9	1	..	..	..	..	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	1	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	..	..	..	1	1	1	..	1	..	·5	..	..	..	..	..	..	..
	2. Want of Breast-milk	19	14	12	7	11	7	9	12	9	20	12·0	13	13	13	..	..	..	..
	3. Purpura and Scurvy	2	1	..	..	4	1	..	1	..	1	1·0	..	..	..	..	..	..	..
	4. Alcoholism *a* Del. Tremens	4	2	4	3	6	6	11	2	6	4	4·8	1	..	..	..	1	..	..
	4. Alcoholism *b* Intemperance	1	3	1	1	2	3	3	..	2	..	1·6	1	..	..	1	..	..	..
	ORDER 4.																		
	1. Thrush	9	3	2	3	6	5	1	6	7	6	4·8	6	6	6	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	..	..	1	..	1	2	1	..	1	·8	..	..	..	..	..	..	..
	2. Dropsy	12	6	10	14	12	11	10	11	8	19	11·3	8	2	2	..	3	2	1
	3. Cancer	25	23	23	20	26	33	28	24	28	27	25·7	39	..	..	4	25	9	1
	4. Cancrum Oris (Noma)	..	2	..	1	..	2	2	..	..	..	·7	..	..	..	..	..	..	..
	5. Mortification	5	5	5	5	5	3	5	..	2	3	3·8	4	..	..	..	1	1	2
	ORDER 2.																		
	1. Scrofula	8	3	10	7	9	8	11	11	3	16	8·6	11	7	10	..	1	..	..
	2. Tabes Mesenterica	44	14	24	19	25	32	34	29	24	29	27·4	40	35	39	1	..	..	..
	3. Phthisis	152	133	133	145	140	122	154	164	169	159	147·1	166	11	32	79	42	13	..
	4. Hydrocephalus	37	21	33	31	46	48	29	38	22	27	33·2	48	45	48	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	14	9	16	11	10	11	12	12	14	23	13·2	12	7	9	..	3	..	..
	2. Apoplexy	26	21	21	29	30	28	35	29	25	21	26·5	34	5	8	2	6	17	1
	3. Paralysis	22	21	20	16	33	17	20	35	30	28	24·2	36	1	1	3	9	20	3
	4. Insanity	2	..	1	..	..	1	6	2	1	1	1·4	2	..	..	..	2	..	..
	5. Chorea	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	6. Epilepsy	6	5	5	7	2	10	7	9	2	8	6·1	9	1	4	2	2	1	..
	7. Convulsions	51	41	38	35	46	71	32	62	56	53	48·5	80	79	79	1	..	..	..
	8. *Brain Disease, &c.*	11	29	16	14	17	25	15	21	13	26	18·7	17	2	5	2	3	6	1
	ORDER 2.																		
	1. Pericarditis	1	..	2	2	..	1	1	4	1	..	1·2	4	1	2	..	..	2	..
	2. Aneurism	2	4	3	..	..	1	5	4	3	2	2·4	3	..	..	1	1	1	..
	3. *Heart Disease, &c.*	45	40	61	51	52	45	42	54	56	55	50·1	55	1	7	9	13	24	2
	ORDER 3.																		
	1. Laryngitis	6	1	3	4	6	11	3	3	4	5	4·6	4	2	2	2	..	..	..
	2. Bronchitis	39	49	51	55	47	58	44	56	51	57	50·7	64	28	28	1	6	26	3
	3. Pleurisy	..	5	4	2	1	5	1	2	4	1	2·5	2	..	..	1	..	1	..
	4. Pneumonia	38	40	37	38	37	59	31	44	39	49	41·2	76	49	54	10	5	7	..
	5. Asthma	6	3	6	5	1	5	6	2	3	3	4·0	6	..	..	..	1	5	..
	6. *Lung Disease, &c.*	4	9	2	13	9	8	11	14	8	11	8·9	6	3	4	1	1	..	..
	ORDER 4.																		
	1. Gastritis	6	2	..	1	3	4	4	1	2	2	2·5	1	..	..	..	..	1	..
	2. Enteritis	13	6	3	11	7	3	5	8	8	7	7·1	11	8	8	..	1	2	..
	3. Peritonitis	4	9	2	5	2	7	8	5	5	5	5·2	8	..	2	3	1	1	1
	4. Ascites	2	7	2	4	2	1	2	2	4	3	2·9	1	..	..	..	..	1	..
	5. Ulceration of Intestines	2	2	3	2	2	1	3	2	6	..	2·3	3	..	..	2	1	..	..
	6. Hernia	5	2	1	4	3	1	5	3	4	5	3·3	..	..	..	..	..	..	..
	7. Ileus	5	4	6	2	2	2	2	7	5	2	3·7	2	1	1	..	..	1	..
	8. Intussusception	..	3	1	3	1	..	1	1	..	1	1·1	1	..	..	..	1	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

In the TWENTY-NINTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 23 1859	July 21 1860	July 20 1861	July 19 1862	July 18 1863	July 23 1864	July 22 1865	July 21 1866	July 20 1867	July 18 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 24, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	69·0	59·0	61·3	59·5	61·0	66·5	63·6	62·2	59·0	70·7	63·2	66·0						
	9. Stricture of Intestines	1	1	1	..	..	4	2	..	..	..	·9	3	..	..	..	2	1	..
	10. Fistula	1	..	..	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	6	10	10	4	3	6	9	7	1	7	6·3	6	..	..	..	2	3	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	8	2	3	6	4	3	7	7	..	1	4·1	2	..	..	1	..	1	..
	14. Jaundice	..	6	1	5	6	3	4	4	4	3	3·6	6	2	2	1	1	1	1
	15. *Liver Disease, &c.*	11	13	12	11	15	18	23	12	14	17	14·6	12	1	1	1	6	4	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	..	1	1	..	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	..	..	1	1	3	..	2	2	·9	..	..	..	..	..	..	..
	2. Ischuria	..	..	..	..	..	..	..	1	1	1	·3	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	6	5	5	10	3	5	8	7	10	6	6·5	13	..	1	4	7	1	..
	4. Diabetes	2	..	1	3	1	2	2	..	4	..	1·5	2	..	..	1	..	1	..
	5. Calculus (Stone)	..	2	..	..	..	2	..	1	..	..	·5	1	..	..	..	..	1	..
	6. Cystitis	..	..	..	1	2	..	2	..	3	..	·8	1	..	..	..	..	..	1
	7. *Kidney Disease, &c.*	6	5	5	7	5	6	4	4	11	12	6·5	13	..	..	1	5	6	1
	ORDER 6.																		
	1. Ovarian Dropsy	4	2	..	..	2	2	3	1	1	..	1·5	2	..	..	..	1	1	..
	2. *Uterus Disease, &c.*	3	2	1	3	7	..	6	5	4	2	3·3	1	..	..	..	1	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	1	..	..	..	..	1	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	1	6	3	2	1	3	8	7	4	4	3·9	5	..	1	..	4	..	..
	ORDER 8.																		
	1. Phlegmon	3	2	1	1	..	1	5	1	2	2	1·8	..	..	..	..	..	..	..
	2. Ulcer	..	..	1	..	1	1	2	..	..	..	·5	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	..	1	..	..	2	2	..	1	1	..	·7	1	1	1	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	15	18	15	15	21	17	27	30	20	21	19·9	16	16	16	..	..	..	..
	2. Cyanosis	2	2	4	2	2	2	3	1	3	..	2·1	..	..	..	..	..	..	..
	3. Spina Bifida	1	1	..	1	3	1	..	2	..	2	1·1	1	1	1	..	..	..	..
	4. Other Malformations	3	1	3	..	1	2	1	3	1	3	1·8	1	1	1	..	..	..	..
	5. Teething	15	9	19	12	17	20	14	15	8	16	14·5	27	27	27	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	5	5	2	7	2	6	3	4	2	3·9	2	..	..	2	..	..	..
	ORDER 3.																		
	1. Old Age	50	35	42	40	49	39	35	39	41	43	41·3	36	..	..	..	..	18	18
	ORDER 4.																		
	1. Atrophy and Debility	73	31	71	47	69	78	98	80	81	117	74·5	72	64	65	..	3	4	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	19	8	16	15	20	16	23	18	17	21	17·3	12	3	6	2	2	2	..
	2. Wounds	..	1	..	..	1	..	..	..	..	1	·3	..	..	..	..	..	..	..
	3. Burns and Scalds	7	5	5	5	4	4	4	4	..	1	3·9	6	4	4	..	2	..	..
	4. Poison	2	..	4	..	2	1	..	3	..	..	1·2	..	..	..	..	..	..	..
	5. Drowning	10	2	6	7	19	7	15	15	5	12	9·8	7	..	5	1	1	..	..
	6. Suffocation	5	3	4	4	4	8	9	6	8	6	5·7	8	8	8	..	..	..	..
	7. Otherwise	1	1	..	1	1	1	..	..	3	4	1·2	5	2	4	1	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	6	2	1	4	2	4	..	..	1	2	2·2	1	1	1	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	2	..	..	1	..	..	..	1	1	·5	1	..	..	1	..	..	..
	1. Wounds { Cut, Stab	1	1	..	2	2	..	2	2	2	..	1·2	1	..	..	1	..	..	..
	2. Poison	1	2	..	1	..	1	1	..	..	..	·6	3	..	..	1	2	..	..
	3. Drowning	1	2	2	..	..	..	2	1	2	..	1·0	5	..	1	3	1	..	..
	4. Hanging	5	2	2	2	..	1	3	1	..	2	1·8	..	..	..	..	..	..	..
	5. Otherwise	1	2	..	..	..	..	..	..	..	..	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	7	3	11	7	2	8	3	..	1	2	4·4	..	..	..	..	..	..	..
	Causes not specified or ill-defined	35	22	17	4	5	18	15	8	5	3	13·2	6	3	3	..	1	2	..

næmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when e result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 24th July 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
July.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	18	..	29·869	88·8	58·0	30·8	73·3	64·7	139·1	57·8	..	..	8·6	23·0	0·2	+11·4	75	Calm, SE. & SW.	SW.	0·3	0·0	0·0	141	0·00	4
Monday . .	19	..	29·932	74·5	55·8	18·7	63·1	58·3	120·0	50·5	..	..	4·8	11·9	1·0	+ 1·5	84	N. by W. & N.	NNE. & N.E.	1·5	0·0	0·2	260	0·00	2
Tuesday .	20	..	29·989	68·2	54·2	14·0	59·0	52·3	108·0	52·0	67·9	65·4	6·7	12·4	0·0	— 2·4	79	NE.	ENE. & ESE.	0·5	0·0	0·0	167	0·00	6
Wednesday	21	..	29·892	78·0	54·5	23·5	63·9	55·4	140·5	52·0	68·2	66·4	8·5	20·2	0·0	+ 2·4	74	SE. & S.	E. & ESE.	0·5	0·0	0·0	109	0·00	5
Thursday.	22	Greatest Dec. S.	29·777	90·9	51·1	39·8	72·9	61·9	143·5	49·8	68·4	64·4	11·0	25·4	0·8	+11·4	68	ESE, NE, & S.	SSW. & WSW.	2·1	0·0	0·2	189	0·00	4
Friday . .	23	Full	29·915	78·7	59·3	19·4	66·6	59·5	107·2	55·3	69·9	67·3	7·1	17·0	2·1	+ 5·0	78	WSW.	WSW. & SW	0·2	0·0	0·0	165	0·00	1
Saturday.	24	..	29·826	78·9	52·6	26·3	63·4	55·5	118·2	44·0	68·9	67·4	7·9	24·1	0·0	+ 1·7	76	WSW.	Variable	0·0	0·0	0·0	109	0·00	0
Means . .		..	29·886	79·7	55·1	24·6	66·0	58·2	125·2	51·6	(5 days) 68·7	(5 days) 66·2	7·8	19·1	0·6	+ 4·4	76	Variable.		..	..	..	Sum 1140	Sum 0·00	3·1
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. July.		Electricity.	Sky and Atmosphere.
Sunday .	18	No electricity was shown.	A very fine day; light clouds prevailed at times.
Monday .	19		Overcast throughout the morning and till 1h. P.M.; fine, but generally cloudy afterwards.
Tuesday .	20		Overcast in the morning; light clouds prevailed during the remainder of the day.
Wednesday	21	At night weak negative was observed.	A very fine day; sky generally cloudless.
Thursday .	22	Weak positive at night.	Very hazy and misty in the early morning; cloudless throughout the day till about 6h. P.M., when clouds became prevalent.
Friday .	23	No electricity was shown.	Generally cloudy till evening; then cloudless. A fine day.
Saturday .	24		Overcast in the morning, partially cloudy afterwards. Very misty and hazy throughout the day.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·92 in. at the beginning of the week to 29·93 in. by 9h. A.M. on the 18th; decreased to 29·82 in. by 9h. P.M. on the same day; increased to 30·02 in. by 9h. A.M. on the 20th; decreased to 29·75 in. by 3h. P.M. on the 22d; increased to 29·92 in. by 9h. A.M. on the 23d; was nearly stationary at this reading till after 9h. P.M. on the same day; and was 29·78 in. at the end of the week.



SUPPLEMENT TO THE WEEKLY RETURN, No. 29.

WATERS OF LONDON.

Perhaps there is no matter more important to the people of London than its water supply. Air and water are necessaries of life, and on their purity the public health very much depends.

Both these elements contain impurities which every one desires to see excluded, and this desire has been to some extent realized. Smoke in the air we breathe has been diminished under an Act of Parliament; the water is no longer taken from the Thames at the mouths of the London sewers, into which hundreds of thousands of waterclosets emptied.

And the consequence is, that the cholera, which ravaged the metropolis so fatally in 1832, and again in 1849, and again in 1854, was much less fatal in 1866: indeed it was only very fatal in East London, where the water reservoirs were then in close connexion with the river Lea, charged with sewage.

It was proved beyond question by the analyzed returns of this office that the fatality of cholera, when epidemic, bore a very constant ratio to the quantity of sewage in the water of the several companies. The Thames companies afterwards ascended the river to points above Teddington lock; and some of them provided reservoirs and adequate filtering beds, so as to command the means of supplying a somewhat hard but filtered water.

It became necessary to watch over the purity of the London waters, in connexion with the meteorology and the weekly returns. The duty was undertaken and most zealously discharged by Dr. Robert Dundas Thomson, F.R,S., down to the date of his death on 17th August 1864.

The Medical Officer of Health of the city of London then offered to supply the Registrar General with his analyses,* but the Registrar General deemed the analysis a matter of so much importance that he brought it under the notice of the Lords Commissioners of Her Majesty's Treasury, who appointed, first, Dr. Hofmann, F.R.S., and subsequently Dr. Frankland, F.R.S., to this responsible office.

When it is recollected that the water companies, like the gas companies, enjoy the monopoly of a necessary of life, that their water rents in 1866 were 799,536*l.*, that they can thus employ and pay eminent scientific witnesses to advocate their interests before parliamentary committees and royal commissions, the responsibility of the office of an independent chemical analyst becomes evident.

The Royal Commission on Water Supply justly says: "Whatever may be our "difference of opinion with respect to some of the conclusions, we cannot place "too high a value on the independent analyses of the water supplied to London, "published monthly in the comprehensive and important reports of the Registrar "General."†

These independent reports it is believed have been as useful to the engineers of the water companies in conducting their very difficult operations as they have been to the public.

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* The Registrar General was at that time unacquainted with the following facts which have since transpired. In a published correspondence (Parliamentary Return, No. 574, Session of 1867,) between the Board of Trade and the East London Water Company the secretary of the company writes as follows:—"The directors have for many years past co-operated with the other metropo-"litan water companies in procuring their respective supplies to be periodically analysed by a high "independent authority (Dr. Letheby, who is *the medical officer of the city of London*, has been for "some time past selected for this duty)." And further, in the evidence before the Rivers Pollution Commission (River Lea, Q. 418,) Mr. Greaves, the East London Company's engineer, is asked by Professor Way, "Does Dr. Letheby furnish an analysis of your water every month?" The answer being "Yes, for our private knowledge and information and justification."

† Report of the Royal Commission on Water Supply, pp. xciii, xciv. For the justification of this opinion of the Commission, *see* subsequent pages 254–9.

The ill effects of sewage in water are illustrated by the experience of the Broad-street pump, which, under ordinary circumstances, yielded a popular water, but in an epidemic season poisoned hundreds of men, women, and children. The pump destroyed its hundreds, the Thames and the Lea their thousands under similar circumstances. The evidence on this head is conclusive.

The diffusion of the watercloset system up to the sources of the Thames and its tributaries has again produced uneasiness, which is unallayed by the evidence of engineers and chemists, who have no professional means of determining the effect of sewage water on the lives of the population of London.

Mr. Leach, engineer to the Thames Conservancy Board, thinks that*—

"The contamination has been very much exaggerated. In the country towns [on the Thames basin] there is no regular system of sewage generally. The majority of the houses drain into cesspools, and really there is no very large outfall in any case except at Windsor; there a more perfect system of drainage has been carried out, and there is a most offensive outfall. * * * The matter which is passed out of the drain floats about in the river there to a very great and very disgusting extent; * * * two miles or even a mile below that I could see no traces whatever of the sewage."

This excellent engineer very simply infers that what he could not discover had ceased to exist; just as a well known chemist, for similar reasons, asserts that sewage matter disappears after a run of ten miles. Mr. Leach is asked,

"Was the sewage all broken up and destroyed?—Yes, and taken by fish, and so on.

"Is it the habit of fish to take up matters of that kind?—Yes; you generally see persons fishing close to the outlet of a drain. I think that the operation of the Act of 1866, which prohibits the discharge of sewage into the river, will have a very beneficial effect. If some such provision had not been passed I can quite understand that as the system of waterclosets was extended, and a more perfect system of drainage was carried out, the river would rapidly become much more contaminated; but the powers contained in that Act will, I hope, put an effectual stop to the pollution of the river."

Unfortunately the restriction is not yet in operation, and it will only extend to the main stream, and to the tributaries three miles up stream; all beyond is free. Mr. Leach does not advert to the fact, that the supply of sewage is very variable in dry and stormy weather, and that the appetites of fish and the absorbing powers of weeds cannot be relied on to meet all exigencies.

The evidence that large quantities of sewage enter the Thames is overwhelming, and it is therefore not necessary here to refer as the commissioners do to recondite sources similar to the Liebfrauenberg vineyard, the Fontainbleau forest, the Sauer hop ground for the nitrates, and other products which Dr. Frankland recognises in the Thames as the irrefragable evidences of "previous sewage contamination."

It is a fact that London was supplied daily in May last with about 453,577 tons of Thames water, consisting of 453,454 tons of pure water, and 123 tons of salts of lime, and other ingredients from various sources. These other matters Dr. R. D. Thomson and Dr. Frankland, both fellows of the Royal Society of London, have called "impurities." And in the weekly tables it is usually stated as a simple fact that 100,000 tons of the said water contain, besides pure water, from 27 to 41 tons of foreign matters in solution. It now appears that Sir John Thwaites, Sir Benjamin Phillips, and their colleagues consider this expression of a fact "unphilosophical;" and where authorities differ in a question of "philosophy," the Registrar General can only leave the decision to the scientific world.

The pollution of wells and rivers from which cities draw their waters often produces no ill effect on health that is detected; at other times their noxious qualities produce epidemic explosions. Like nitro-glycerine they are often harmless, sometimes destructive. To sustain that waters containing sewage are "generally wholesome" beverages is a most dangerous doctrine.

After studying every week for many years the effects of the Thames water on the diseases of three millions of people living in London, the conclusion is, that the purer the water is the safer it is; that the Thames water, without sewage, is as good as any of the large river waters; that it requires purification by storage and filtration; that as mountain air is finer than town air so for all purposes the

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* Report of Royal Commission on Water Supply, page lxxxviii.

pure soft water of the hills is twice as useful and twice as salubrious as the waters of the Thames; but that London must be satisfied with the best Thames water it can get, until another Royal Commission is found to be more successful in carrying out the object for which the recent Commission was appointed, namely, "for the "purpose of ascertaining what supply of unpolluted and wholesome water can be "obtained by collecting and storing water in the high grounds of England and "Wales, either by the aid of natural lakes or by artificial reservoirs at a sufficient "elevation for the supply of the large towns, and to inquire into the present water "supply to the Metropolis, and whether there are other districts in addition to "the high districts of England and Wales from which a good supply of unpol-"luted and wholesome water can be obtained."

The Registrar General begs to call attention to the annexed letter of Dr. Frankland.

Royal College of Chemistry,
10th July 1869.

Sir,

HAVING read the Report of the Royal Commission on Water Supply which has just appeared, I beg to offer one or two remarks concerning those portions of it which reflect upon the reports that I send to you monthly on the quality of the metropolitan waters.

Whilst the Commission express a very high opinion of the value of these reports in the following sentence, "we cannot place too high a value on the independent "analyses of the water supplied to London published monthly in the comprehensive "and important reports of the Registrar General," they at the same time take exception to two of the principal data of my analyses, viz., "total solid impurity" and "previous sewage contamination."

With regard to the first term you are aware that it was not initiated by me, but was employed, in their analytical reports to you, by my two predecessors, Dr. Dundas Thomson, F.R.S., and Dr. A. W. Hofmann, F.R.S. In adopting the term, however, I thoroughly agreed with those gentlemen, in regarding it as a suitable designation for the solid matters contained in the London waters, and I mention its authorship only to call to your recollection, that it was sanctioned and used by the two eminent chemists in question.

I regard these solid constituents as impurities, because—

1st. They are utterly useless for all purposes to which potable water is applied in London, and this appears to be the view of the Royal Commissioners.

2d. They act injuriously in several of the processes for which the London waters are employed.

It is true that many water drinkers prefer hard water to soft; but they also prefer, and for the same reason, the polluted water of shallow wells, because it has to them a sharper and more agreeable taste than water which contains but a minute amount of solid matter; it may at least be assumed then, that these solid matters are useless, even if quite innocuous. Now it appears to me that all useless matter added to useful matter is an impurity; thus, if chalk be found in milk it is properly deemed an impurity, though innocuous; and if so in milk, why not in water?

It must be remembered, however, that but a very small proportion of the water supplied to London is used for drinking purposes. A very large proportion is employed for washing, and a considerable one for manufacturing purposes. In its application to these uses the presence of the large amount of solid matters, giving hardness to the London waters, is undoubtedly injurious; indeed the Royal Commissioners strongly point this out in the following words: "There is no doubt "that this evidence is conclusive and cogent as to the great advantage of soft "water over hard for washing and, with some few important exceptions, for "general manufacturing purposes."

It appears to me therefore that a material in water, which is always useless and frequently injurious, is correctly described as an impurity. Neither do I think that the case of atmospheric carbonic acid, mentioned by the Royal Commissioners as analogous, can strictly be so considered. The presence of carbonic acid in the

air is absolutely essential to life; deprive the atmosphere of its minute amount of carbonic acid, and our globe is rendered uninhabitable by such forms of life as now exist upon it; but the use of distilled water in Her Majesty's navy proves that potable water may be freed from solid matters without becoming thereby unfitted for human consumption. Carbonic acid is a useful, nay essential constituent of the air, but solid matters are useless, and in some respects injurious constituents in water supplied to towns.

With regard to the second datum in my analyses, viz., "previous sewage con-" tamination," I regret that the Royal Commissioners should have founded their strictures almost entirely upon mere statements of opinion unsupported by facts. Many of these statements are founded upon the misconception that "previous sewage " contamination" does not include contamination from solid manure and other similar refuse animal matters, although I have repeatedly stated, in my reports to you and elsewhere, that the term is an abbreviation for "previous sewage *and* " *manure* contamination." In the face of an overwhelming number of analytical facts showing that waters of known purity draining from almost every variety of uncultivated and unmanured soils do not exhibit previous sewage contamination, the Commission had only before them three facts which favoured the conclusion at which they have arrived. These were, first, the presence of minute quantities of nitrates in the unmanured soil of the Liebfrauenberg hills, and of the forest of Fontainbleau mentioned by M. Boussingault; second, the formation of nitrates from putrid yeast observed by Dr. Angus Smith, and third, the occurrence of nitrates in the chalk wells at Watford mentioned by Dr. W. A. Miller. We will consider these cases seriatim.

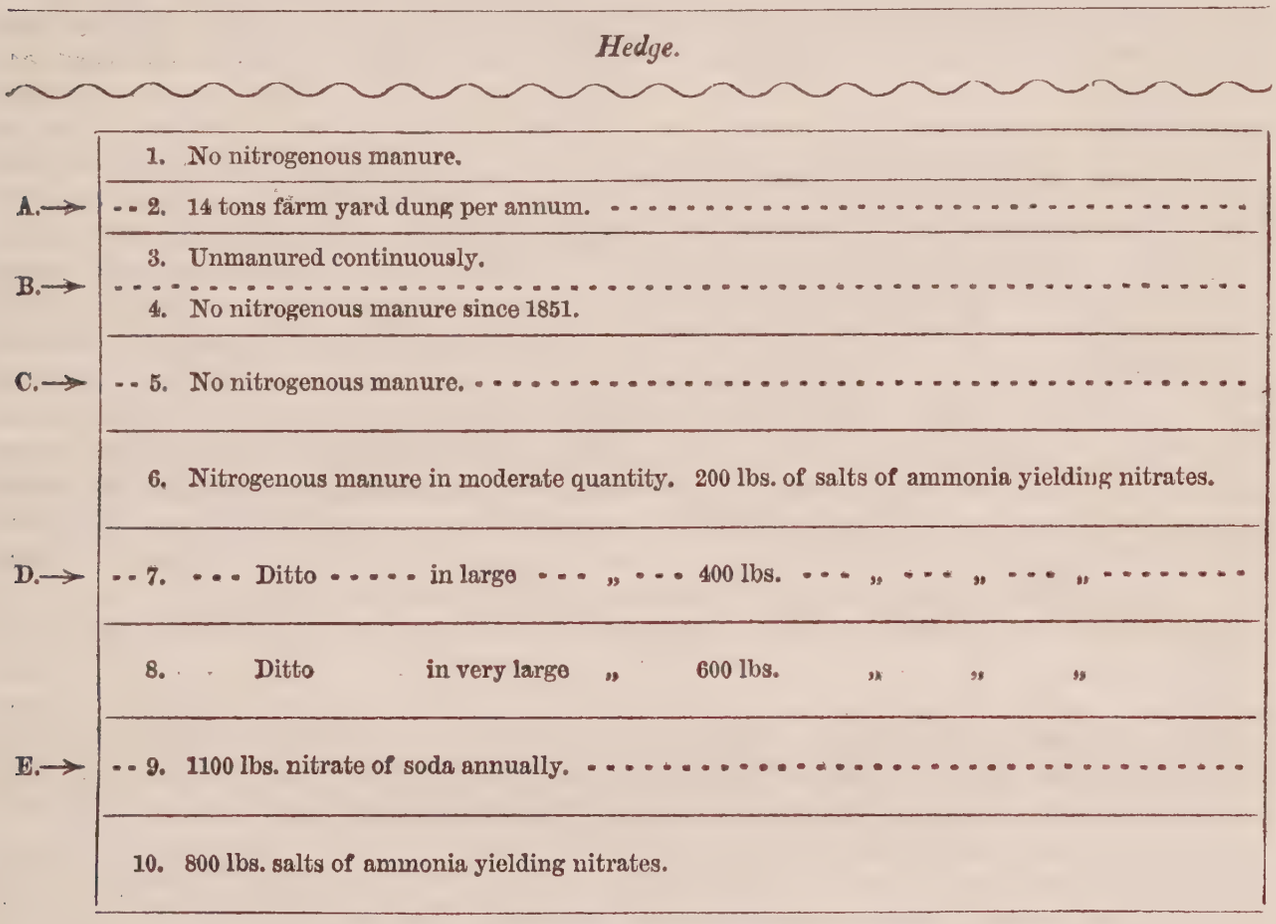
The observation of M. Boussingault that the earth of unmanured ground contains traces of nitrates does not appear to me to have any substantial bearing upon the point at issue, because rain water is well known to contain traces of nitrates and of ammonia, the latter being converted into nitric acid in contact with some varieties of soil. As rain falls both upon manured and unmanured land it is obvious that both must be liable to contain traces of nitrates unless they are removed by the action of vegetation; it is even possible that, in dry showery weather, a certain amount of concentration of nitrates may here take place, owing to the evaporation of water from the surface, but in our moist climate it is scarcely possible that such a concentration can go on to any considerable extent. Inasmuch as the nitrates and ammonia in rain water are allowed for in my calculation of previous sewage contamination, the objection founded upon M. Boussingault's observation obviously falls to the ground, unless it can be shown that rain water percolating through such soils becomes contaminated with a larger proportion of nitrates than I have allowed for, in which case my correction-constant would require to be increased. The Royal Commissioners appear to have lost sight of the fact that such a correction is always made in my reports to you, and that no water is pronounced guilty of previous sewage contamination unless it contains more nitrogen in the shape of nitrates, nitrites and ammonia, than that contained in rain water under these forms.

The second fact, on this side of the question, before the commission was the production of nitrates from putrid yeast observed by Dr. Angus Smith. Now, in the first place, yeast is a very exceptional kind of vegetable matter; it occupies a position on that border land where the animal and vegetable kingdoms meet, and where the biologist finds it very difficult, if not impossible, to draw the boundary line; secondly, putrid yeast not unfrequently contains grubs; and lastly, it can scarcely be contended that yeast, or any material closely allied to it, can play any important part in the contribution of nitrates to Thames water.

The third alleged fact adduced by Dr. W. A. Miller is evidently brought forward under a misconception of the term previous sewage contamination. He says, " the " waters from Watford, which come from chalk wells, *where there can be no* " *suspicion of previous sewage contamination*, always contain nitrates." Dr. Miller here confines previous sewage contamination strictly to sewage, and makes no mention of the drainage of the water in the Watford wells from manured land or from the cesspools and dumb wells which absorb into the chalk the excrements of

the people of Watford and St. Albans. I have never used the term "previous sewage contamination" in this restricted sense, but have always spoken of it as extending to all kinds of decomposed animal matter, whether contained in sewage, privies, cesspools, or the solid manure applied to land.

This, so far as can be ascertained from their report, was the whole of the evidence of fact before the Royal Commission, but I have recently become acquainted with a case of the production of nitrates which, at first sight, appeared to show that these salts could be generated, in very large quantity, in continuously unmanured land. During the past 25 years Messrs. Lawes and Gilbert have been making very important experiments at Rothampstead on the continuous cultivation of wheat on the same land without manure, and with different kinds of manure. As the different plots submitted to these experiments are separately drained, this appeared to be, in addition to those of which I have already availed myself, a good opportunity for testing the drainage water from continuously unmanured land, as well as from land to which various manures had been annually applied, and Messrs. Lawes and Gilbert kindly undertook to collect for me samples of water draining from the different plots. On submitting these samples to analysis, I was surprised to find that they all contained large quantities of nitrates, and, what was still more remarkable, the drainage water, from a plot which had received no manure for 25 years, contained a larger proportion of nitrates than the water from the adjoining plot which had been dressed with 14 tons of farm-yard dung per acre every year during the same time. These results, so different from any I had observed elsewhere, led me to visit the experimental plots, when the cause of the anomaly was at once apparent. The experimental plots constitute a single field about 352 yards long; the plots themselves are strips of this field 352 yards long; some are 8 yards wide, others only 4 yards; a separate drain pipe passes up the centre of each at a depth of between 3 and 4 feet from the surface. This surface is gently undulating with a general inclination across the drains, but in opposite directions at the top and bottom of the field. I enclose a plan drawn to scale ($\frac{1}{8}$ inch = 4 yards) of that portion of the experimental field from which the samples



PLAN OF 10 PLOTS IN EXPERIMENTAL FIELD AT ROTHAMPSTEAD.

N.B.—*Correctly to represent the comparative length and breadth of these plots, this plan would require to be extended horizontally to nearly four times its present length.*

of drainage water were collected. The continuous lines show the furrows which bounded the separate plots, the dotted lines indicate the position of the drain pipes, whilst the letters A, B, C, D, and E, denote the particular drains from which the samples were taken. The manure treatment is also marked upon each plot. A glance at this plan, and still more at the field itself, shows how very improbable it is that the drainage water of such long and narrow plots should be kept separate, as there is no provision whatever underground for keeping the water of each individual plot from mixing with that of its neighbours. In fact, leaving the nitrates altogether out of the question, it was found on analysis that the chlorine (which being an element could not be generated) had travelled from the farm-yard manure plot 2 into the drain B of plots 3 and 4 ; and again a large quantity of the chlorine of the muriate of ammonia applied to 6, 7, and 8 had travelled into plot 9, which had received no chlorine in the manure applied to it for the last 25 years. The analyses give indications of an underground current flowing in the same direction as the numbers of the plots. It is needless to add that, under such conditions, no reliance whatever can be placed upon the assumption, that the separate samples of water really represent the distinct drainage of each individual plot. On the contrary, both the conditions just mentioned and the analytical results indicate, that the water flowing from each pipe represents rather the general drainage of the whole field, the latter having for the past 25 years received on the average a very ample dressing of nitrogenous manure, since the 13 acres which it contains receive annually the following nitrogenous manures :

14 tons farm-yard dung,
1000 lbs. rape cake,
5,200 lbs. salts of ammonia,
1,100 lbs. nitrate of soda.

As salts of ammonia are rapidly converted into nitrates in nitrifying soils, such as that of the experimental field, it follows that we have here an ample source for the nitrates found in these drainage waters.

From what has just been said, it will be seen that nitrates may be derived from the nitrogenous salts applied to land in artificial manures ; the amount of these salts so used is, however, far too small to require consideration, even if we were to assume that the plants to which they are applied as a costly manure, make no use of them.

Up to the present moment, therefore, there is no evidence whatever of the innocence of any sample of water, which has been found guilty of previous sewage or manure contamination on analytical grounds. I have now examined upwards of 1000 samples from all parts of the United Kingdom, and have not yet met with a single case of clear analytical guilt which has not been sustained on further investigation. It is true that my verdict has repeatedly been met with vehement protestations of innocence, but further investigation always proved that these could not be sustained. The other day a gentleman brought to me two samples of well water for examination, I reported both as exhibiting great previous sewage contamination. He protested that it was impossible, as the waters were bright and sparkling and enjoyed a high reputation ; a week later he informed me that the sources of contamination had been discovered, one of the wells was situated close to a large cesspool, the other received the drainage from a dog kennel.

I find that during its percolation through 5 feet of a gravelly soil, 97 per cent. of the combined nitrogen of London sewage is converted into nitrates : indeed it is admitted on all hands that sewage and animal refuse generate abundance of nitrates, and the recent observations of Dr. Palmer, chemical examiner to the Indian government on the formation of nitre in India*, show that even in hot and dry climates the production of nitrates equally depends upon the decay of animal refuse. " He says, " the Sorawallah (collector of nitre) goes about the village, examining " the small surface drains which issue from holes in the mud wall usually found " around native dwellings and their cow houses. The nitre producing parts of " India are more densely populated than England ; the villages are large and are

* Journal of Chemical Society, vol. xxi. page 318.

" made up for the most part of mud houses surrounded by a mud wall, which " generally encloses the dwellings of a whole family, including uncles and aunts and " their families as well as grandparents and grandchildren ; every family will have " at least one pair of plough oxen. The only drains from these houses are the small " surface ones before alluded to, and the only fluids which pass by these drains are " urine and the small quantity of refuse water brought to the house for culinary or " drinking purposes ; these drains open on to a small open plot of ground where the " drainage diffuses itself and is rapidly dried in the sun." As evidence in favour of the theory that the production of nitrates in India is dependent essentially upon the presence of animal excrements, and especially of urine, Dr. Palmer states :—

" Firstly, that no other known source of nitre exists.

" Secondly, that nitre is found only in and near populous villages, that it continues to be found on the same spot of ground so long as it is inhabited, and gradually ceases when a village is deserted."

I am therefore of opinion that the presence of nitrogen in the form of nitrates in water, in quantity above that which can be derived from rain water, is safe and reliable evidence of the anterior pollution of that water by animal organic matters. On the other hand the absence of nitrates is not absolutely conclusive evidence of immunity from this pollution. I have repeatedly mentioned the imperfection of the evidence on this side of the question ; nitrates are removed from water by the action of aquatic plants, and they also disappear when the water putrefies. It is probably by the first of these processes that, in summer, they are more or less completely removed from the East London Company's water, which is often stored in reservoirs for a long time before use. I have also found that the addition of fresh sewage to previously contaminated water destroys more or less completely the evidence of the previous contamination. Thus, the evidence of the previous contamination of the London water supply is sought for in vain in the discharge from the metropolitan sewers,—the nitrates present in London water are absent from the fresh sewage, which rarely contains a trace of nitrates. It is to this circumstance that the reduction in the amount of nitrates in some streams, after the addition of fresh sewage, is due. Previous sewage or manure contamination, as determined by analysis, is consequently, as I have already repeatedly stated, a minimum quantity ; and I therefore entirely concur in the opinion of the Royal Commissioners, who have minutely discussed this part of the question, that it does not represent the *comparative* freedom of different samples of water from anterior pollution. Nevertheless, where analysis indicates this excess of nitrogen in the shape of nitrates, nitrites and ammonia, the water stands convicted of previous pollution to the extent *so indicated.* Shall we reject this ordeal because polluted waters may pass through it without conviction? Do we reject criminal prosecution as a safeguard to society, because the evidence notoriously fails in some instances to convict the guilty ? In neither case can it be said that the guilty and convicted are unfairly treated, because a certain number of guilty but unconvicted escape.

At the risk of being tedious I cannot close this letter without calling your attention to what chemical analysis *can* and *cannot* tell us respecting potable water. The following sentence in the report of the Royal Commission seems to render it necessary that this should be clearly stated, as the Commissioners themselves obviously entertain opinions respecting the powers of chemical analysis which the latter are not at present able to ratify. They say (page ci.), " in the " present state of chemical science analysis fails to discover in properly filtered " Thames water anything positively deleterious to health." Now this statement applied to *filtered Thames water* is equally applicable to London sewage, or to the dejections of persons suffering from cholera or typhoid fever. Chemical analysis has failed to discover anything positively deleterious to health in these matters, in their most concentrated condition, and it is not therefore likely that analytical research will be more successful when applied to them after dilution with the water of the Thames. Nevertheless, men like Mr. Simon, F.R.S., the medical officer of the Privy Council, and Dr. Parkes, F.R.S., Professor of Hygiène in the Army Medical School, who have carefully and impartially investigated the subject, tell us that these substances are capable of communicating disease to those who drink water

contaminated with them. In his evidence before the Royal Commission Mr. Simon has truly stated the case where he says (p. lxxvi), "There are dangerous qualities "of water supply with regard to which, so far as I know (but I do not speak as a "skilled chemist), chemists are totally unable to measure, even to demonstrate the "fatal influence that a water may have. A water may be, for instance, capable of "spreading cholera, but chemists be unable to identify the particular contamination "which produces that effect." "It ought to be made an absolute condition for a "public water supply that it should be incontaminable by drainage." "Supposing "that sewage is discharged from one of the sewers, say at Windsor, I believe it "would be absolutely impossible for chemists to discover it seven miles lower down "the river, having regard to the volume of water in the river. But the practical "sanitary question is different. Supposing tape-worm eggs to be sent into the "river with that sewage, would those tape-worm eggs be alive seven miles "down? Or supposing cholera discharges to be sent into the river, or the "discharges of typhoid fever, and assuming (which is a frequent pathological "opinion) that the respective contagia of typhoid fever and cholera are living "germs, would those germs be alive seven miles down? It is not a question "whether a chemist would find out the organic matter so much as it is a question "whether those particular molecules would still have their property seven miles "down. I cannot say that they would not." "I could only detect them by their "effects." Dr. Parkes says, (p. lxvii.) :—"I have made a list of diseases all of "which are occasionally communicated by means of water, not solely communi-"cated by water, but occasionally. For example, typhoid fevers, of which I "have collected about 23 instances of local outbreaks of severe typhoid fever, and "some six or eight more, the particulars of which I have not got, are known to "me, arising from water impregnated with typhoid sewage, or possibly with "simple sewage."

It cannot be too widely known that chemical analysis is utterly powerless to detect any matter positively injurious to health in any of the forms of animal refuse which go to contaminate water. In proof of this I may cite the report of a well known chemist whose evidence as to the perfectly harmless character of Thames water appears to have had considerable weight with the Royal Commissioners. Of a sample of sewage of average strength flowing into the Thames this chemist says, "The sample of liquid is a very weak solution of carbonate and "sulphate of ammonia with a little calcareous and organic matter and common "salt. The total amount of these matters is only about 56 grains per imperial "gallon, and *therefore* the liquid is perfectly harmless to animal and vegetable "life." The use of chemical analysis in the investigation of water for sanitary purposes lies almost exclusively in a totally different direction. It is only by bringing to light the previous history of potable water that chemistry can help the custodians of the public health. Even the discovery of actual sewage in water has only a sanitary significance on the same ground, it only shows that human excrements are in the water, it throws no light upon the noxious or innocuous character of those excrements; that they may be comparatively innocuous is proved by the fact that thousands of our fellow countrymen habitually drink their own sewage which has percolated through a few feet of earth; that they may be noxious is rendered at least very probable by the decimation of the same people when a case of cholera or typhoid fever is imported amongst them.

It is singular that whilst many regard with indifference the presence of nitrates in river water, all agree that they are very suspicious when found in the water of shallow wells. I am unable to coincide with the former opinion, however generally it may be held; indeed, if compelled to choose between a river water and a well water containing equal proportions of nitrates, I should prefer the well water, because I find that percolation through 5 feet of a gravelly soil removes much more organic impurity from sewage water than does a flow of 50 miles in a river at the rate of one mile per hour. Consequently the chance of the destruction of noxious organized matters would be greater in the case of the well water.

It is for the physiologist, not the chemist, to say what influence the admission of excrementitious matters into drinking water has upon the health of the com-

munity. If his verdict is that they have none, then water analysis for sanitary purposes becomes useless; but if the accumulated experience of 30 years leads him to the contrary conclusion, then chemical analysis can aid him, by showing in a great majority of cases the previous history of the water as regards its companionship with excrementitious matters.

In conclusion, I beg to point out an error of calculation, into which the Royal Commissioners have inadvertently fallen. In their observations upon the subject of previous sewage contamination, at page xcii. of their report, they base some of their objections upon a comparison of the quantities of nitrates in various parts of the Thames and its tributaries. As no quantities of nitrates had been given by Dr. Odling and myself in our analyses of the waters from the Thames basin for the Royal Commission, it was not at first evident whence the numbers in the report had been derived. A reference to the analytical results showed that, at the page above mentioned, all the numbers given by the Royal Commissioners, as the amounts of nitrates present, are erroneous, as is also the statement that there are no nitrates in the river Kennet just above Reading. A further comparison of these numbers with the analytical results showed in what a singular manner the error has arisen. To get the quantities of nitrates, the Royal Commissioners have taken the numbers expressing the previous sewage contamination, and, altering the notation comma into a decimal point, have regarded the number so altered as the expression of the amount of nitrates in 100,000 parts of water, thus : 3,260 parts of previous sewage contamination = 3·260 parts of nitrates. I need not say that there is no such relation between previous sewage contamination and nitrates. 100,000 parts of the head waters of the Thames contain ·358 part of nitrogen in the form of nitrates and nitrites ; if this were all nitrate of potash, which would be the heaviest of all possible nitrates or nitrites, it would weigh only 2·583 instead of 3·260 as given in the Commissioners report. I have pointed out this error to the secretary of the Commission. I fear it is an indication that I have not explained to the Commission with sufficient clearness the meaning of the term previous sewage contamination.

There is one other matter to which it is necessary to allude, viz., the expression of the analytical results in my reports to you, in parts per 100,000, instead of grains per gallon. I do not understand that the Royal Commissioners censure this mode of expressing analytical results, but at page lxxv. they say, in reference to these reports : " The analyses which accompany these reports show a general agreement " with those just referred to. As, however, they are elaborated on a principle not " ordinarily employed, it is not easy to compare them with those of other chemists." As I have frequently explained, the only difficulty in the comparison of my decimal results with those expressed in grains per gallon, consists in multiplying the former by ·7, and my chief reason for employing the former instead of the latter, is the universal use, on the continent of Europe, of the decimal method of expressing analytical results. Moreover, the degree of hardness which I employ is used throughout France. From the number of letters I receive on the subject, I know that your weekly reports are very extensively read on the continent, indeed it is only by a national interchange of such statistics that their maximum utility can be realized. It is therefore not unimportant that the statistical data should be given in a form not liable to misinterpretation. The conversion of decimal numbers into grains per gallon is a sufficiently simple process for an Englishman, but how is a foreigner to perform the reverse operation, the gallon being a measure unknown on the continent ?

You will perceive that I have confined myself in this letter entirely to the points raised by the Royal Commissioners in reference to my monthly and annual reports to you on the metropolitan water supply.

I have, &c.

E. Frankland.

The Registrar General,
&c. &c. &c.

The following Table places in juxtaposition with the Reports of Dr. Frankland, those published in the name of the Metropolitan Association of Medical Officers of Health by Dr. Letheby.

Months.	Dr. Frankland's Reports.	Dr. Letheby's Reports.*
JANUARY (1868). WEEKLY RETURN, No. 5.	The waters delivered in London during the latter part of January by the Chelsea, and especially by the Southwark and Lambeth Companies, were in such a muddy condition as to render them totally unfit for domestic use. The Thames has overflowed its banks above the point at which the water supply is withdrawn, and by washing the surfaces of cultivated fields and mingling with the contents of stagnant ditches and ponds has become contaminated to an intolerable degree. Those companies which, like the West Middlesex and Grand Junction, possess ample and efficient filtering apparatus, were enabled so far to cope with the difficulty as to send out their supply free from suspended matters. A week later, however, than the date when the samples were collected, the water of the Grand Junction Company had also become turbid, but much less so than that delivered by the Southwark and Lambeth Companies. It will be seen from a reference to the analytical Tables that the Thames was contaminated at the time that the samples were taken with double the usual proportion of organic matter. Besides dissolving the soluble manure matters from cultivated fields, the recent heavy rains flushed the sewers of Oxford, Windsor, &c. dislodging great quantities of putrescent animal matters and sweeping them into the Thames; hence the large proportion of organic carbon and nitrogen, and the great previous sewage contamination in the waters of those Companies which derive their supply from that river. The West Middlesex Company's water, though well filtered and perfectly transparent, had been thus contaminated to an extent which would be produced by the admixture of one third of a gallon of average filtered London sewage with each ten gallons of the water. The River Lea also exhibits a very high previous sewage contamination, but at the time when the New River and East London Companies samples were collected it had not been affected like the Thames, for, although the East London water was full of suspended brown particles, the analyses of these waters show that the organic carbon and nitrogen are remarkably low for the season. The Kent Company's water was slightly turbid from yellow particles.	The Grand Junction water was turbid, and all the samples, except that of the Kent Company, contain a slight excess of solid matter on account of the floods occasioned by the heavy rains.

* These Reports are printed in the *Medical Times and Gazette*, and in other journals, as the returns of the Metropolitan Association of Medical Officers of Health.

Months.	Dr. Frankland's Reports.	Dr. Letheby's Reports.
FEBRUARY. WEEKLY RETURN, No. 9.	The waters delivered by the New River, East London, and Kent Companies were clear and transparent, but, with the exception of the West Middlesex, all the companies drawing their supply from the Thames were delivering imperfectly filtered water on the day when the samples were taken. The Lambeth Company's water was so muddy that brightly illuminated objects could not be seen through a stratum of it 12 inches deep. The Chelsea Company's water was but little better in this respect, and the supply of both companies was, on this ground alone, entirely unfit for domestic use. The water delivered by the Southwark and Grand Junction Companies was only slightly turbid. The organic matter contained in all the samples of water, except those of the West Middlesex and Southwark Companies, was highly nitrogenized, and therefore probably of animal origin to a considerable extent. The condition of the Kent Company's water delivered at the Deptford Railway Station on the 7th inst. presented remarkable peculiarities. It contained the very large amount of 59·2 parts of solid impurity in 100,000 parts of the water, 42 parts being the maximum and 39·3 the mean amount observed in this Company's water during the year 1867. Of the above 59·2 parts no less than 14·7 were common salt, the occurrence of which in such quantity is difficult to account for, except on the supposition that the company's wells have some connexion either with the sea or the brackish reaches of the Thames. The previous sewage contamination was also higher than that observed on any former occasion. For the first time since February 1867 the East London Company's water exceeds that of the New River Company in previous sewage contamination.	The water of the Lambeth Company was turbid.
MARCH. WEEKLY RETURN, No. 13.	The effects of the great January flood in the Thames have now nearly disappeared, nevertheless the water delivered by the Lambeth Company on the 4th instant was nearly as muddy as the samples collected in January and February; the waters delivered by the Chelsea and Southwark Companies were likewise turbid, whilst the West Middlesex and Grand Junction Companies, who also draw their supplies from the Thames, delivered water which had been efficiently filtered, and was therefore perfectly transparent. The water taken from the River Lea and supplied by the New River and East London Companies was also quite transparent. The amount of organic nitrogen in the turbid waters is considerably higher than in the transparent samples, it is therefore highly probable that solid particles of unoxidized	The samples of the Chelsea and the Lambeth waters were turbid when drawn.

Months.	Dr. Frankland's Reports.	Dr. Letheby's Reports.
MARCH—*cont.*	sewage enter into the composition of the suspended matter in the turbid samples. The peculiarities presented by the Kent Company's water delivered at the Deptford Railway Station and noticed last month are exhibited by the sample collected on the 2d instant in a still higher degree. The water was turbid from floating fibrous particles, its total solid impurity has increased from 59·2 parts in 100,000 in February to 70·2 parts in March. Nearly the whole of this increase is due to common salt, which, amounting to the very large proportion of 14·4 parts in 100,000 of water last month, has now increased to 23·7 parts.	
APRIL. WEEKLY RETURN, No. 18.	The Southwark Company's water was, as usual, turbid, but that delivered by the remaining companies was in every case well filtered and perfectly clear. The Kent Company's water has now returned to its normal condition. The engineer to the Company suggested to me that the abnormal state of this water, when the February and March samples were taken, might have arisen from the introduction of some impurity into the main within the Deptford Railway Station. We have, both of us, inspected the water mains in the station, but without finding any source from which such impurity could have been derived. To test the matter still further, the engineer tapped the street main outside the station, and on the 18th instant I collected a duplicate sample from the tapped main. On comparing the results of the analysis of this sample in the following Table with those yielded by the sample taken half an hour later from the cock in the station whence the samples have been previously obtained, it will be seen that the two specimens are almost absolutely identical. There is consequently no ground for the supposition that the water collected in February and March last had been contaminated after delivery by the company. The quantity of common salt contained in 100,000 parts of each sample collected on the 18th instant was as follows :— Sample collected in Railway Station - - - 8·5 parts. Sample collected from street main - - - 8·9 „ The quantities contained in the February and March samples were respectively 14·7 and 23·7 parts in 100,000 parts of water.	No remarks.
MAY. WEEKLY RETURN, No. 22.	The water delivered by the West Middlesex, Grand Junction, Lambeth, New River, and Kent companies was perfectly clear and transparent, but that drawn from the Chelsea and East London companies' mains was	No remarks.

Months.	Dr. Frankland's Reports.	Dr. Letheby's Reports.
MAY—*cont.*	slightly turbid, whilst the Southwark and Vauxhall Company's water was full of suspended particles. All the river waters have now attained their summer degree of purity, the active aquatic vegetation having withdrawn much of the mineral remains of the sewage poured into the Thames and Lea. By long storage in large reservoirs the East London company have even removed every vestige of such previous sewage contamination.	
JUNE. WEEKLY RETURN, No. 26.	The long continued drought has rendered the river waters supplied to London unusually pure. The previous sewage contamination of these waters is on the average much lower than has ever before been observed. The Southwark Company's water was again turbid from the presence of much suspended matter; besides giving the water a repulsive appearance, this suspended matter is nitrogenous, and therefore highly objectionable. With the exception of the East London Company's water, which contained however only traces of suspended matter, the rest of the samples were perfectly bright and transparent.	All the samples were bright excepting that of the Southwark and Vauxhall, which was slightly turbid.
JULY. WEEKLY RETURN, No. 30.	The river waters supplied to London again exhibit an exceptional degree of purity as regards solid matter, hardness, and previous sewage contamination; but the proportion of organic nitrogen, representing chiefly unoxidized animal impurities, is nearly as great as usual, showing that the accelerated oxidation of the organic impurities, owing to the high temperature, is nearly compensated by the diminished volume of water with which the sewage and manure matters commingle in the Thames and Lea. The temperature of the Thames at Greenwich on the 9th instant, when most of the samples were drawn for analysis, ranged from 18°·6 to 19°·3 C. On reference to the following analytical table it will be seen that this high temperature is not lowered by transmission through the street mains. The deep well water of the Kent Company has now a considerable advantage over the river waters in regard to coolness, its temperature being from 2°·5 to 5°·2 C. lower than that of the latter. It is to be regretted, however, that this advantage is lost owing to the intermittent system of supply. The waters delivered by the Grand Junction, Lambeth, and East London companies were very slightly turbid; the rest of the samples were clear and transparent when drawn from the companies' mains.	No remarks.

Months.	Dr. Frankland's Reports.	Dr. Letheby's Reports.
AUGUST. WEEKLY RETURN, No. 35.	With the exception of the Southwark Company's water, the river waters supplied to London again exhibit an exceptional degree of purity as regards solid matter. In August 1867 the average amount of solid impurity in Thames water was 26·2 parts in 100,000 of water, whilst in the current month it is only (exclusive of the Southwark company's water) 24·5 parts. The previous sewage contamination is also at present remarkably low; in 1867 it averaged in Thames water 1416 parts in 100,000, whilst in the samples just analysed it is only 386. On the other hand the proportion of organic nitrogen, representing chiefly unoxidized animal impurities, is as great as usual, averaging for Thames water exactly the same in August 1867 and August 1868, viz., ·025 part in 100,000 parts of water, showing that the accelerated oxidation of the organic impurities, owing to the high temperature, is nearly compensated by the diminished volume of water with which the sewage and manure matters commingle in the Thames and Lea. The Southwark Company's water contains an exceptionally large amount of mineral matter, causing the total solid impurity to rise to 30·2 parts in 100,000. The high temperature of the river waters as delivered in London during July still prevailed on the 14th and 19th instant. The water delivered by the Chelsea and Southwark companies was very slightly turbid, whilst that of the East London Company presented an opalescent or milky appearance. The rest of the waters were clear and transparent.	All the samples were perfectly bright when drawn from the companies' mains.
SEPTEMBER. WEEKLY RETURN, No. 39.	The Southwark Company's water was exceptionally polluted, containing an excess of 13·2 parts of solid impurity. It was also harder and contained more organic matter and previous sewage contamination than any other sample of Thames water. Much of this excess of impurity is due to common salt, of which it contained no less than 13·2 parts in 100,000. The Southwark and East London companies waters had traces of suspended matter in them, the rest were perfectly clear and transparent.	All the samples were clear when drawn from the mains.
OCTOBER. WEEKLY RETURN, No. 44.	The water delivered by the companies drawing their supplies from the Thames has suddenly changed from its summer to its winter condition. The inorganic remains of sewage and manure retained in the pores of the soil during the late long drought are now being washed into the river. On 10th September the previous sewage contamination of Thames water as delivered in London ave-	All the samples were bright when drawn from the companies' mains.

Months.	Dr. Frankland's Reports.	Dr. Letheby's Reports.
OCTOBER—*cont.*	raged only 604 parts, whilst on 9th October it amounted in the mean to 2548 parts in 100,000 of water. The unoxidized impurities of the river have also undergone a marked increase during the same period. Drawing its supply from the same source as the other Thames companies, the Southwark and Vauxhall Company has, on each occasion when the sample was taken during the past three months, been delivering a water of a strikingly different composition. The total solid impurity, common salt, and (in September and October) the organic constituents have all been in very marked excess in this as compared with the remaining Thames waters. The proportion of common salt in Thames water delivered by the other companies during the past three months has never exceeded 3·6 parts in 100,000 parts of water, whilst in the water of the Southwark and Vauxhall Company it has been as follows: 19th August, 7·5 parts, 10th September, 13·6 parts, and 9th October, 7·2 parts. I have sought in vain from the engineer of the company for some explanation of this exceptional condition of the water. The admission of a certain proportion of the tidal water of the Thames at Battersea into the companies reservoirs would cause the excess of the impurities which I have observed, and consequently the matter ought to be investigated without delay. The river Lea had not on the 9th instant experienced a corresponding change in quality. The waters delivered by the New River and East London companies, who draw from this river, still preserved their summer degree of purity. The Southwark Company's water was very turbid, and that of the East London Company slightly so; the rest of the samples were perfectly bright and transparent when drawn from the companies' mains. The excessively high temperature which prevailed in the river waters during the summer had experienced an average fall of 6° C. on the 10th instant.	
NOVEMBER. WEEKLY RETURN, No. 48.	The Southwark Company's water, which was exceptionally contaminated during the months of August, September, and October, has now returned to its normal condition. It does not now differ in any marked degree from the water of the other companies drawing their supplies from the Thames.	All the samples were bright when drawn from the companies' mains.
DECEMBER. WEEKLY RETURN, No. 52.	The water of the Lambeth Company was turbid and milky, that of the Southwark Company slightly turbid; the samples drawn from the mains of the New River, East London, and Kent companies contained traces of suspended matter, whilst the waters supplied by the Chelsea, West Middlesex, and Grand Junction companies were perfectly clear and transparent.	All the samples, excepting that of the Chelsea Company, were clear when drawn from the companies' mains.

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WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 30. 1869. Vol. XXX.] Week ending Saturday, July 31. [Price 1½d.

General Register Office, Somerset House, 2d August 1869.

In the week that ended on Saturday, 31st July, 4313 births, and 3453 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 28 per 1000 persons living.

The annual rate of mortality last week was 27 per 1000 in London, 21 in Edinburgh, and 20 in Dublin; 21 in Bristol, 22 in Birmingham, 36 in Liverpool, 37 in Manchester, 27 in Salford, 25 in Sheffield, 26 in Bradford, 30 in Leeds, 17 in Hull, 26 in Newcastle-upon-Tyne, and 32 in Glasgow. The mortality from diarrhœa showed a further increase upon recent weeks in most of the English towns; the annual death-rate from this disease last week was 10 per 1000 in Liverpool, and in Manchester and Salford, and 6 per 1000 in London. The deaths from the same cause were also excessive in Leeds. This mortality occurred almost entirely among infants.

In Paris the annual rate of mortality in the week ending last Saturday (31st July) was 22 per 1000. The rate in Berlin during the seven days ending 29th July was 38 per 1000. The annual rate of mortality last week from diarrhœa in Paris was only 1·3 per 1000, while in Berlin it was 12 per 1000.

In London the births of 1066 boys and 1076 girls, in all 2142 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2101.

The deaths registered in London during the week were 1646. It was the thirtieth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1654. The deaths in the present return are slightly below the estimated amount, but exceed by 46 the number recorded in the preceding week.

The deaths from zymotic diseases were 717, the corrected average number being 670. Four deaths from small-pox, 33 from measles, 88 from scarlet fever, 3 from diphtheria, 67 from whooping-cough, 18 from typhus fever, 16 from enteric fever, and 10 from simple continued fever were registered.

The mortality from diarrhœa continues to increase; the deaths of 364 children and 20 adults from this disease were registered last week. In the three preceding weeks the total numbers were 30, 102, and 253.

27 children and 3 adults died from simple cholera or choleraic diarrhœa.

A warehouseman, aged 64 years, died on 25th July at 137 West-street, Mile-end (Old Town Eastern), from simple "cholera (17 hours), diarrhœa (3 days)."

A labourer, aged 61 years, died on 28th July at 19 Lancaster-street, Borough-road, Southwark, from "choleraic diarrhœa (5 days), coma, exhaustion (2 days)."

A labourer, aged 62 years, died on 28th July at High-street, Norwood, from "choleraic diarrhœa."

Measles and scarlet fever were more fatal than in the preceding week.

176 deaths occurred from phthisis, 48 from bronchitis, and 46 from pneumonia.

The deaths of 6 persons from delirium tremens, of 8 infants and one adult from syphilis, of 3 children from burns or scalds, of 13 persons from drowning, of 4 infants from suffocation, and of 3 persons who committed suicide were recorded.

A female, aged 54, died 25 July in St. Pancras Workhouse, from "consumption, accelerated by want of proper food and medical attendance." *Post mort.* (*Inquest.*)

A child, aged 21 months, died on 25th July at 35 Picton-street, Camberwell, from "effusion on the brain, the result of sunstroke."

The following deaths of 4 persons who were killed by horses or vehicles in the streets were registered:—

A costermonger, aged 46 years, "knocked down by a cab." Died on 26th July at 15 Gun-street, Borough-road, Southwark. *Post mort.* (*Inquest.*)

The son of a costermonger, aged 4 years, "run over by a hansom cab." Died on 19th July in St. Thomas's Hospital. (*Inquest.*)

A carman, aged 36 years, "run over by a van." Died instantly on 20th July at Letts-wharf, Commercial-road, Lambeth. (*Inquest.*)

A geographer, aged 66 years, "fractured ribs; run over by an omnibus." Died on 19th July in Charing-cross Hospital. (*Inquest.*)

The waters supplied by the Metropolitan Companies during the month of July contained (according to Professor Frankland's analysis) in 100,000 tons, foreign solid matters amounting to 25 tons in the Chelsea water, 26 in the West Middlesex, 25 in the Southwark and Vauxhall, 26 in the Grand Junction, 25 in the Lambeth, 27 in the New River, 22 in the East London, and 40 in the Kent. 100,000 tons of the Chelsea water contained 20 tons, the West Middlesex 20 tons, the Southwark and Vauxhall 21 tons, the Grand Junction 21 tons, the Lambeth 20 tons, the New River 21 tons, the East London 19 tons, and the Kent 31 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

Professor Frankland remarks :—" The samples drawn from the mains of all the " companies were clear, with the exception of those supplied by the Grand Junc- " tion and East London Companies, which were slightly turbid. The suspended " matter of the Grand Junction Company's water contained living organisms.

" The mean temperature of the river waters as delivered to consumers was " 16°·3 C. (61°·3 Fahr.), which is 3°·7 C. (6°·7 Fahr.) lower than in July 1868. " The Kent Company's water was delivered much cooler, the temperature being " only 13°·3 C. (55°·9 Fahr.). Such is the temperature of water *as delivered by the* " *companies*, but owing to the storage in cisterns necessitated by the intermittent " system of delivery, the water *as used by consumers* is much warmer at this period " of the year. Thus on the 27th instant, at 11 P.M., the temperature of the New " River Company's water, in a cistern placed in the basement of a house, was " 20°·C. (68° Fahr.), whilst in a cistern placed beneath the roof it was 21°·1 C. " (70° Fahr.) At these last temperatures water tastes vapid and unrefreshing."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·786 in. The barometrical reading increased from 29·64 in. on Monday, 26th July to 29·94 in. on Friday, 30th July. The mean temperature of the air in the week was 64·0°, which is 1·9° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 79·8° on Sunday, 25th July. The lowest night temperature was 49·°7 on Thursday, 29th July. The entire range of temperature in the week was, therefore, 30·1°. The mean of the highest temperatures of the water of the Thames was 67·5°; that of the lowest was 65·5°. The difference between the mean dew-point temperature and air temperature was 7·6°. The mean degree of humidity of the air was 77, complete saturation being represented by 100. Rain fell to the amount of 0·41 in. on Wednesday, 28th July. The general direction of the wind was S.W.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 196,969 cubic metres, and at Barking 174,612 cubic metres, equivalent to about as many tons by weight.

SIR, *Royal College of Chemistry, 28th July* 1869.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of July. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Newcastle, Glasgow, Manchester, Preston, Lancaster, Bristol, Dublin, and Norwich, and by samples of Thames water taken at London Bridge at low and high water, also by the well waters from the artesian well in Trafalgar-square, from the Royal Mint, and from Barclay's Brewery.

The samples drawn from the mains of all the companies were clear, with the exception of those supplied by the Grand Junction and East London Companies, which were slightly turbid. The suspended matter of the Grand Junction Company's water contained living organisms.

The mean temperature of the river waters as delivered to consumers was 16°·3 C. (61°·3 Fahr.), which is 3°·7 C. (6°·7 Fahr.) lower than in July 1868. The Kent Company's water was delivered much cooler, the temperature being only 13°·3 C. (55°·9 Fahr.). Such is the temperature of water *as delivered by the companies*, but owing to the storage in cisterns necessitated by the intermittent system of delivery, the water *as used by consumers* is much warmer at this period of the year. Thus on the 27th instant, at 11 P.M., the temperature of the New River Company's water, in a cistern placed in the basement of a house, was 20° C. (68° Fahr.), whilst in a cistern placed beneath the roof it was 21°·1 C. (70° Fahr.) At these last temperatures water tastes vapid and unrefreshing.

I have, &c.

The Registrar General, &c. &c. &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	2d July, Cab Rank, Horse Guards	16·1	24·7	·116	·016	·001	·177	·194	1460	1·60	20·3
West Middlesex	2d July, Cab Rank, Portland-road	16·7	25·5	·116	·024	·000	·172	·196	1400	1·64	20·3
Southwark and Vauxhall	2d July, Cab Rank, St. George's Church, Borough	17·2	25·2	·138	·024	·001	·112	·137	810	1·63	20·8
Grand Junction	2d July, Cab Rank, Woodstock-st.	16·1	25·8	·161	·026	·002	·122	·150	920	1·62	20·6
Lambeth	2d July, Cab Rank, Lambeth-road	16·1	25·1	·126	·025	·002	·186	·213	1560	1·69	20·3
OTHER SOURCES.											
New River	2d July, Cab Rank, Tottenham-court-road	16·4	27·1	·058	·017	·000	·220	·237	1880	1·56	21·2
East London	3d July, Slater's Lamp Black Works, Old Ford-road	15·8	22·2	·046	·028	·000	·150	·178	1180	1·77	18·8
Kent	3d July, Deptfd. Bdge, Police Stat.	13·3	40·2	·042	·009	·000	·378	·387	3460	2·40	30·9
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September 1868		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July 1868, Glasgow		3·00	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June 1868, Manchester		6·20	·183	·009	·006	·025	·039	0	1·117	3·7
Preston	August 1868, Preston		12·44	·236	·031	·006	·000	·036	0	1·590	8·9
Lancaster	November 1868, Lancaster		4·58	·129	·022	·001	·000	·023	0	·993	·87
Bristol	February 1869, Bristol Waterworks		28·66	·160	·017	·001	·203	·221	1720	1·300	24·46
Dublin	April 1869, Dublin Water Supply		6·34	·238	·024	·001	·000	·025	0	1·240	2·97
Norwich	September 1868, Norwich Water Supply		28·18	·227	·055	·000	·000	·055	0	2·631	23·68
Thames water, filtered	27th April 1869, London Bridge mid-stream, at low water		30·35	·455	·075	·032	·181	·282	1750	1·950	22·7
	at high water		92·85	·540	·122	·025	·394	·537	3830	31·500	23·9
Artesian well water	May 6th, 1869, Trafalgar Square, London		83·4	·150	·012	·070	·000	·070	260	16·55	5·92
Deep Chalk well water	June 1869, Royal Mint,		83·96	·195	·025	·060	·000	·074	170	13·92	17·48
Deep well water	July 1869, Barclay's Brewy., Sothwk.	12·1	73·3	·085	·008	·060	·000	·057	170	14·08	7·33
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 2d July at the Horse Guards cab rank had a temperature of 16·1° C.; 100,000 lbs. of it contained 24·7 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·116 lb. of carbon and ·016 lb. of nitrogen. This solid impurity also contained ·177 lb. of nitrogen in the form of nitrates and nitrites, besides ·001 lb. of ammonia, whilst the total amount of *combined* nitrogen in every form was ·194 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 1460 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·60 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 20·3 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Thirtieth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1803	1785	1804	1758	1892	1951	1947	1989	2163	2003	1909·5	2142
Males . .	881	917	926	887	994	1011	1005	1016	1107	980	972·4	1066
Females .	922	868	878	871	898	940	942	973	1056	1023	937·1	1076
Total Deaths	1419	975	1207	1137	1452	1607	1414	2600	1347	1885	1504·3	1646*
Males . .	750	480	621	618	733	848	753	1312	687	945	774·7	863
Females .	669	495	586	519	719	759	661	1288	660	940	729·6	783

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	May 8.	May 15.	May 22.	May 29.	June 5.	June 12.	June 19.	June 26.	July 3.	July 10.	July 17.	July 24.	July 31.
Deaths - - - -	1421	1279	1281	1276	1355	1305	1236	1381	1231	1279	1313	1600	1646*
Deaths under 5 years of age -	616	536	528	517	532	553	549	590	528	541	652	897	967
Deaths under 20 years of age	721	631	634	613	637	661	652	693	642	660	758	1010	1080
Deaths 20—40 - - -	209	208	184	184	196	194	170	204	172	194	150	161	181
Deaths 40—60 - - -	236	210	231	202	258	212	196	227	196	205	204	184	204
Deaths at 60 years of age and upwards - - -	255	230	232	277	264	238	218	257	221	220	201	245	181
Deaths from Small-pox -	3	4	3	8	3	8	3	1	4	4	2	5	4
„ „ Measles - -	21	24	22	23	24	28	28	23	22	29	35	23	33
„ „ Scarlet Fever -	53	56	45	45	62	54	60	65	75	85	77	75	88
„ „ Diphtheria -	7	6	5	6	3	3	6	6	4	6	4	4	3
„ „ Whooping-cough	91	87	97	92	89	96	93	76	90	69	77	67	67
„ „ Typhus fever -	9	18	7	16	15	12	10	10	12	12	14	8	18
„ „ Enteric fever -	21	16	12	19	15	18	19	18	14	18	17	21	16
„ „ SimpleContdfever	13	8	4	5	6	9	9	10	14	12	11	14	10
„ „ Diarrhœa - -	19	10	15	5	22	11	17	28	20	30	102	253	384
„ „ Phthisis - -	216	169	194	171	200	166	171	197	174	144	163	166	176
„ „ Bronchitis - -	131	117	101	104	115	97	99	108	85	92	80	64	48
„ „ Pneumonia -	85	69	78	75	62	74	59	64	61	52	52	76	46
„ „ Heart Disease -	54	65	75	60	61	65	62	90	45	57	55	55	49
Mean Temperature of the Air	50°·5	51°·2	50°·0	51°·7	53°·3	59°·0	51°·3	54°·3	56°·9	64°·2	66°·9	66°·0	64°·0
Mean Temperature of the Water of the Thames -	54·4	54·1	53·3	53·7	53·5	57·3	56·1	56·1	58·9	62·0	64·4	67·4	66·5
Humidity of the Air - -	88	79	86	79	82	73	80	83	73	73	72	76	77
Rain-fall in inches - -	1·28	0·35	0·68	1·12	0·10	0·00	0·84	0·20	0·00	0·00	0·14	0·00	0·41

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Eltham was not received in time for publication.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 31st day of July 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 31st July.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 31st July.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Temperature of the Air. (Fahrenheit.) Lowest during the Week.	Temperature of the Air. (Fahrenheit.) Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	Rain Fall. In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Temperature of the Air. (Centigrade.) Lowest during the Week.	Temperature of the Air. (Centigrade.) Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4313**	**3244**	**3453**	**79·8**	**43·0**	**60·1**	**0·40**	**40**	**26·56**	**6·11**	**15·62**	**102**
London (Metropolis)	3,170,754	40·7	2070	2142	1462	1646	79·8	49·7	64·0	0·41	41	26·56	9·83	17·78	104
Bristol (City)	169,423	36·1	109	100	76	68 *	74·9	46·2	61·4	0·38	38	23·83	7·89	16·33	97
Birmingham (Borough)	360,846	46·1	283	183	175	151	75·9	47·4	60·6	0·50	51	24·39	8·55	15·90	127
Liverpool (Borough)	509,052	99·7	345	346	295	352	71·0	48·0	59·5	0·28	28	21·67	8·89	15·28	71
Manchester (City)	370,892	82·7	277	237	210	262 *	76·0	45·0	60·1	0·57	58	24·44	7·22	15·62	145
Salford (Borough)	119,350	23·1	89	92	60	62	74·7	44·0	59·6	0·60	61	23·72	6·67	15·34	152
Sheffield (Borough)	239,752	10·5	196	170	126	115	77·0	44·5	61·1	0·09	9	25·00	6·95	16·17	23
Bradford (Borough)	138,522	21·0	105	74	71	68	73·9	48·5	61·0	0·20	20	23·28	9·17	16·11	51
Leeds (Borough)	253,110	11·7	189	201	129	146	77·0	46·0	61·9	0·35	35	25·00	7·78	16·61	89
Hull (Borough)	126,682	35·6	83	75	59	42	77·0	45·0	59·8	0·10	10	25·00	7·22	15·45	25
Newcastle-on-Tyne (Borough)	130,503	24·5	90	81	69	64	70·0	45·0	57·0	0·26	26	21·11	7·22	13·89	66
Edinburgh (City)	178,002	40·2	112	120	86	70	70·7	44·0	57·6	0·70	71	21·50	6·67	14·23	178
Glasgow (City)	458,937	90·6	374	337	268	285	71·7	43·3	58·6	0·74	75	22·06	6·28	14·78	188
Dublin (City and some suburbs)	320,762	32·9	219	155	158	122	72·2	43·0	59·8	0·39	39	22·33	6·11	15·45	99
Paris (City)	1,889,842	..	..	..	..	807	..	..	..	..	..	..	..	..	..
Vienna (City)	(1863) 560,000	..	..	Week ending 24th July 1869. ..	..	Week ending 24th July 1869. ..	..	Week ending 24th July 1869. ..	..	..	..	Week ending 24th July 1869. ..	..	..	..
Berlin (City)	(1867) 702,437	..	..	Week ending 29th July 1869. 572	..	Week ending 29th July 1869. 517	..	Week ending 29th July 1869. ..	75·9	..	..	Week ending 29th July 1869. ..	..	24·38	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 31st July 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases.						
			Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON	2142	1646	4	33	88	3	67	44	384
WEST DISTRICTS	293	228	–	6	3	–	7	1	65
NORTH DISTRICTS	456	380	2	4	21	–	11	19	106
CENTRAL DISTRICTS	199	178	–	3	16	–	8	6	33
EAST DISTRICTS	473	398	–	8	31	1	25	13	90
SOUTH DISTRICTS	721	462	2	12	17	2	16	5	90
WEST DISTRICTS.									
St. Mary Paddington *WH*	25	17	–	–	–	–	–	–	7
St. John Paddington H	12	6	–	–	–	–	–	–	1
Kensington Town *W*	43	36	–	1	1	–	2	–	10
Brompton H	8	14	–	–	–	–	–	1	4
St. Peter Hammersmith	3	4	–	–	–	–	–	–	–
St. Paul Hammersmith	30	17	–	–	–	–	–	–	6
Fulham *W*	17	16	–	–	1	–	–	–	6
Chelsea South H	12	12	–	1	–	–	1	–	4
Chelsea North-west H *Ww*	10	13	–	1	–	–	1	–	3
Chelsea North-east	14	6	–	–	–	–	–	–	1
Hanover Square	10	7	–	–	–	–	–	–	3
May Fair *W*	4	2	–	–	–	–	–	–	–
Belgrave H	33	25	–	1	–	–	1	–	6
St. John Westminster	22	19	–	1	–	–	–	–	5
St. Margaret West. *WH*	22	13	–	1	–	–	–	–	6
St. James's Square	2	2	–	–	–	–	–	–	–
Golden Square *W*	14	8	–	–	–	–	1	–	2
Berwick-street	6	4	–	–	–	–	1	–	–
St. Anne Soho	6	7	–	–	1	–	–	–	1
NORTH DISTRICTS.									
All Souls Marylebone H	15	19	–	–	–	–	–	–	7
Cavendish Square	5	5	–	–	–	–	–	–	2
Rectory Marylebone *W*	16	22	–	1	–	–	–	–	6
St. Mary Marylebone	22	10	–	–	1	–	–	–	4
Christchurch Marylebone	22	18	1	–	–	–	2	1	6
St. John Marylebone	27	13	–	–	–	–	–	1	4
Hampstead *W*	13	12	–	–	1	–	–	–	2
Regent's Park Pancras	18	24	1	–	–	–	–	1	5
Tottenham-court *w*H	19	20	–	–	2	–	–	2	3
Gray's Inn Lane H	20	12	–	1	1	–	–	1	1
Somers Town	25	19	–	–	–	–	–	1	6
Camden Town *W*	14	18	–	–	–	–	–	–	5
Kentish Town	44	33	–	–	1	–	–	1	12
Islington West* *WHH*	66	50	–	–	5	–	3	6	15
Islington East *Ww*	58	47	–	–	2	–	1	–	14
Stoke Newington	3	7	–	–	1	–	1	1	3
Stamford Hill	3	4	–	–	1	–	2	–	–
West Hackney	17	9	–	–	1	–	–	1	2
Hackney *WHw*	34	23	–	2	1	–	2	2	6
South Hackney L	15	15	–	–	4	–	–	1	3
CENTRAL DISTRICTS.									
St. George Bloomsbury	13	4	–	–	–	–	–	–	1
St. Giles South *W*	17	17	–	–	–	–	1	–	1
St. Giles North	5	15	–	1	3	–	–	–	3
Long Acre	4	4	–	1	–	–	–	–	1
Charing Cross *WH*	4	1	–	–	–	–	–	–	–
St. Mary-le-Strand	3	4	–	–	–	–	1	1	1
St. Clement Danes H	8	7	–	–	–	–	1	1	2
St. George-the-Martyr H	9	7	–	–	–	–	–	–	2
St. Andrew, East Holb. *W*	4	8	–	–	–	–	–	–	3
Saffron Hill	6	4	–	–	–	–	–	–	1
St. James Clerkenwell *W*	15	11	–	1	–	–	–	–	1
Amwell Clerkenwell	13	8	–	–	–	–	–	1	3
Pentonville	9	4	–	–	1	–	1	–	2
Goswell-street	18	2	–	–	–	–	–	–	–
Old-street	9	7	–	–	1	–	1	2	2
City-road HL	13	11	–	–	4	–	–	–	5
Whitecross-street	5	9	–	–	2	–	–	–	–
Finsbury	12	3	–	–	–	–	1	–	–
St. Botolph East London	6	14	–	–	2	–	1	–	2
Cripplegate	11	7	–	–	1	–	–	1	1
West London North *WH*	4	13	–	–	1	–	1	–	–
West London South	2	7	–	–	–	–	–	–	–
London City South-west	1	2	–	–	–	–	–	–	1
London City North-west	–	1	–	–	–	–	–	–	–
London City South	1	4	–	–	–	–	–	–	–
London City South-east	4	3	–	–	–	–	–	–	1
London City North-east	3	1	–	–	1	–	–	–	–

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases.						
			Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch	10	6	–	–	–	–	–	1	1
St. Leonard Shrdtch. L†	16	16	–	–	1	–	2	–	4
Hoxton New Town *w*	24	22	–	–	2	–	–	1	4
Hoxton Old Town	23	12	–	–	1	–	–	1	4
Haggerstone West *W*	17	13	–	–	–	–	–	1	4
Haggerstone East	14	13	–	–	3	–	–	–	1
Hackney-road	24	15	–	1	1	–	–	1	3
Green, Bthnl. Grn. *WH*L†	30	21	–	–	–	–	–	–	2
Church, Bethnal Green	18	8	–	–	1	–	–	–	2
Town, Bethnal Green	16	14	–	–	2	–	2	–	3
Artillery Whitechapel	6	3	–	–	–	–	–	–	2
Spitalfields	8	11	–	–	3	–	1	–	2
Mile End New Town *W*	21	15	–	1	1	–	1	–	2
Whitechapel North	8	5	–	2	–	–	1	–	–
Whitechapel Church H	8	9	–	–	–	–	–	–	1
Goodman's Fields	7	6	–	1	–	–	–	–	1
Aldgate	4	6	–	–	2	–	–	–	2
St. Mary St. Geo. East	9	8	–	1	–	–	1	–	1
St. Paul St. Geo. East	13	12	–	–	1	–	3	1	1
St. John St. Geo. East *W*	11	9	–	1	1	–	–	–	1
Shadwell *W*	6	13	–	–	1	–	1	–	2
Ratcliff *W*	9	10	–	–	–	–	1	1	2
Limehouse *W*	15	16	–	–	2	–	2	–	5
Mile End Old Town, West	44	23	–	–	–	–	5	–	9
Mile End Old T., East *Ww*	33	39	–	–	4	–	1	2	13
Bow *ww*L†	54	46	–	1	4	1	2	2	12
Poplar *W*	25	27	–	–	1	–	2	2	6
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	8	8	–	–	–	–	–	–	1
St. Saviour Southwark H	8	8	–	–	2	–	–	–	1
St. Olave Southwark H	1	15	–	–	2	–	–	–	–
St. John Horsleydown *W*	7	10	–	–	2	–	1	–	2
St. James Bermondsey	46	21	–	1	1	–	–	–	7
St. Mary Magdalen *W*	7	14	–	3	–	–	–	–	–
Leather Market	11	11	1	–	1	–	2	–	2
Kent-road	22	17	–	–	1	1	–	–	2
Borough-road *W*	9	16	–	–	–	–	1	–	4
London-road L	17	9	–	1	2	–	–	–	2
Trinity Newington	20	14	–	1	1	–	–	–	3
St. Peter Walworth *W*	46	30	–	1	1	–	1	1	5
St. Mary Newington H	10	15	–	–	–	–	–	–	3
Waterloo-road 1st	14	13	–	1	–	–	1	–	5
Waterloo-road 2nd	29	8	–	1	–	–	–	–	2
Lambeth Church 1st	13	5	–	–	–	–	–	–	3
Lambeth Church 2nd *W*	37	15	–	–	–	–	–	–	4
Kennington 1st	24	15	–	1	–	–	–	1	4
Kennington 2nd	28	15	–	–	–	–	–	–	5
Brixton	23	8	–	–	–	–	–	–	1
Norwood *W*	12	6	–	–	2	–	–	–	–
Clapham	21	11	1	–	–	–	2	–	2
Battersea *Ww*	51	33	–	1	–	–	3	1	7
Wandsworth L	10	5	–	–	–	–	–	–	1
Putney	4	3	–	–	–	–	–	–	–
Streatham	4	3	–	–	–	–	1	–	–
Dulwich	2	2	–	–	–	–	–	–	–
Camberwell *WL*†L†	22	14	–	–	–	–	–	–	1
Peckham	25	22	–	–	–	–	–	–	11
St. George Camberwell	18	16	–	–	–	1	–	–	5
Rotherhithe *W*	16	10	–	–	–	–	1	–	–
St. Paul Deptford	38	18	–	–	2	–	1	1	5
St. Nicholas Deptford	8	2	–	–	–	–	–	–	–
Greenwich West H	8	10	–	–	–	–	–	–	1
Greenwich East *WH*	15	10	–	1	–	–	–	–	–
Eltham	2	–	–	–	–	–	–	–	–
Lee	8	5	–	–	–	–	–	–	–
Lewisham Village *W*	7	3	–	–	–	–	–	–	–
Sydenham	11	10	–	–	–	–	2	–	–
Charlton H	7	2	–	–	–	–	–	–	–
Woolwich Dockyard H	13	3	–	–	–	–	–	–	–
Woolwich Arsenal H	15	3	–	–	–	–	–	–	–
Plumstead, West	9	3	–	–	–	–	–	–	1
Plumstead, East	15	1	–	–	–	–	–	1	–

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand " " Tottenham-court sub-district.
West London " " Islington East.
East London " " Hackney sub-district.
St. Luke Middlesex " " Hoxton New Town sub-district.
London City " " Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney " " Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the THIRTIETH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 30 1859	July 28 1860	July 27 1861	July 26 1862	July 25 1863	July 30 1864	July 29 1865	July 28 1866	July 27 1867	July 25 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 31, 1869. Deaths of Persons of the Ages: ALL AGES. Mean Temp.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	67°·0	55°·6	61°·1	60°·1	57°·3	63°·6	66°·0	59°·3	59°·2	69°·2	61°·8	64°·0						
	ALL CAUSES . . .	1419	975	1207	1137	1452	1607	1414	2600	1347	1885	1504·3	1646	967	1080	181	204	148	33
	SPECIFIED CAUSES .	1399	968	1184	1126	1444	1576	1369	2581	1340	1856	1484·3	1644	966	1079	181	204	147	33
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	606	255	412	353	571	645	526	1524	399	800	609·1	717	609	656	23	19	14	5
II.	CONSTITUTIONAL „ .	257	236	250	229	258	275	252	329	291	301	267·8	295	77	107	89	74	23	2
III.	LOCAL „ .	349	324	327	381	397	408	383	468	428	446	391·1	409	144	167	51	101	81	9
IV.	DEVELOPMENTAL „ .	150	118	151	131	183	199	166	206	167	230	170·1	174	122	123	7	2	25	17
V.	VIOLENT DEATHS . .	37	35	44	32	35	49	42	54	55	79	46·2	49	14	26	11	8	4	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	571	231	383	326	531	611	480	1487	366	739	572·5	676	575	622	19	16	14	5
	2. ENTHETIC „ . .	5	9	10	7	10	6	3	14	8	20	9·2	9	8	8	..	1	..	..
	3. DIETIC „ . .	25	12	15	17	27	20	37	20	16	29	21·8	22	16	16	4	2	..	..
	4. PARASITIC „ . .	5	3	4	3	3	8	6	3	9	12	5·6	10	10	10	..	..	..	..
II.	1. DIATHETIC „ . .	34	41	38	47	47	62	42	51	42	68	47·2	49	2	3	7	24	13	2
	2. TUBERCULAR „ . .	223	195	212	182	211	213	210	278	249	233	220·6	246	75	104	82	50	10	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	118	106	107	128	128	130	128	171	140	171	132·7	147	72	79	12	31	24	1
	2. „ OF ORGANS OF CIRCULATION .	45	52	45	37	58	59	63	58	57	62	53·6	54	2	7	15	15	15	2
	3. „ OF RESPIRATORY ORGANS . .	90	106	100	134	103	141	84	147	122	121	114·8	103	50	53	6	22	20	2
	4. „ OF DIGESTIVE ORGANS . . .	63	39	50	60	79	46	74	61	68	66	60·6	63	15	18	8	20	15	2
	5. „ OF URINARY ORGANS . . .	18	16	16	9	16	22	21	24	22	13	17·7	23	2	3	6	7	6	1
	6. „ OF ORGANS OF GENERATION .	8	2	4	5	6	5	9	3	6	1	4·9	7	..	..	2	4	1	..
	7. „ OF ORGANS OF LOCOMOTION .	4	2	1	5	7	3	2	2	8	9	4·3	6	1	4	2	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	3	1	4	3	..	2	2	2	5	3	2·5	6	2	3	..	2	..	1
IV.	1. DEV. DISEASES OF CHILDREN	38	43	29	33	38	47	38	42	44	51	40·3	51	51	51	..	..	..	..
	2. „ OF ADULTS .	..	2	4	7	5	6	4	4	7	7	4·6	7	..	1	6	..	..	..
	3. „ OF OLD PEOPLE	30	22	43	34	43	51	44	49	37	54	40·7	38	..	..	..	..	21	17
	4. DISEASES OF NUTRITION .	82	51	75	57	97	95	80	111	79	118	84·5	78	71	71	1	2	4	..
V.	1 ACCIDENT OR NEGLIGENCE .	30	25	37	30	28	45	37	47	47	66	39·2	42	11	23	8	8	3	..
	3. HOMICIDE	2	3	4	..	2	1	1	1	1	3	1·8	3	3	3	..	..	..	..
	4. SUICIDE	5	7	3	2	5	3	4	6	7	10	5·2	3	..	..	2	..	1	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	6	5	6	6	4	3	7	..	2	1	4·0	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	14	2	17	5	4	28	38	19	5	28	16·0	2	1	1	..	..	1	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 30 1859	July 28 1860	July 27 1861	July 26 1862	July 25 1863	July 30 1864	July 29 1865	July 28 1866	July 27 1867	July 25 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 31, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	67°0	55°6	61°1	60°1	57°3	63°6	66°0	59°3	59°2	69°2	61°8	64°0						
I.	ORDER 1.																		
	1. Small-pox	23	7	4	3	34	12	9	29	19	7	14·7	4	4	4	..	..	..	..
	2. Measles	14	53	17	49	20	79	23	53	17	35	36·0	33	33	33	..	..	..	..
	3. Scarlet Fever (Scarlatina)	36	31	20	48	110	63	38	30	30	47	45·3	88	60	86	2	..	..	..
	4. Diphtheria	16	4	10	11	11	5	8	12	8	10	9·5	3	3	3	..	..	..	..
	5. Quinsy	..	4	..	4	1	..	1	1	1	1	1·3	1	..	..	..	..	1	..
	6. Croup	6	6	12	16	18	19	11	6	11	14	11·9	5	5	5	..	..	..	..
	7. Whooping-cough	24	30	62	33	32	39	39	39	27	45	37·0	67	66	67	..	..	..	..
	8. Typhus	29	25	23	74	32	85	44	47	33	57	44·9	18	1	6	3	8	..	1
	— Enteric Fever												16	7	13	3	..	..	..
	— Simple continued Fever												10	5	8	1	..	1	..
	9. Erysipelas	4	6	4	3	7	8	8	1	3	6	5·0	5	2	2	2	1	..	..
	10. Puerperal Fever (Metria)	3	4	2	4	2	1	2	2	1	4	2·5	1	..	..	1	..	..	..
	11. Carbuncle	1	2	1	..	..	..	2	1	..	2	·9	..	..	..	..	..	..	..
	12. Influenza	..	..	1	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	13. Dysentery	8	1	..	..	5	4	5	6	1	3	3·3	5	2	2	..	1	2	..
	14. Diarrhœa	382	52	200	68	233	274	261	349	196	442	245·7	384	360	364	5	4	7	4
	15. Simple Cholera	19	2	20	9	20	14	23	904	15	58	108·4	30	27	27	..	..	3	..
	16. Ague	..	1	2	1	1	..	..	1	..	..	·6	..	..	..	..	..	..	..
	17. Remittent Fever	4	..	2	..	1	3	..	..	..	..	1·0	..	..	..	..	..	..	..
	18. Rheumatism	2	3	3	3	4	5	6	5	3	8	4·2	6	..	2	2	2	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	5	5	10	6	9	6	3	14	6	18	8·2	9	8	8	..	1	..	..
	2. Stricture of Urethra	..	4	..	1	1	..	..	..	1	2	·9	..	..	..	..	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	2	..	..	..	1	..	..	·3	..	..	..	..	..	..	..
	2. Want of Breast-milk	23	7	12	9	22	15	27	14	11	19	15·9	16	16	16	..	..	..	..
	3. Purpura and Scurvy	1	..	1	1	..	3	3	4	2	1	1·6	..	..	..	..	..	..	..
	4. Alcoholism (*a* Del. Tremens)	1	2	2	2	3	1	5	1	3	5	2·5	6	..	..	4	2	..	..
	4. Alcoholism (*b* Intemperance)	..	3	..	3	2	1	2	..	..	4	1·5	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	5	3	4	3	3	8	6	3	9	12	5·6	10	10	10	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	..	3	4	2	2	..	..	1	5	1·8	2	..	..	..	..	2	..
	2. Dropsy	7	14	6	13	12	18	9	10	10	11	11 0	6	1	2	1	2	1	..
	3. Cancer	23	22	29	23	31	34	27	39	30	46	30·4	39	1	1	6	22	10	..
	4. Cancrum Oris (Noma)	1	3	..	..	1	..	2	..	..	..	·7	..	..	..	..	..	..	..
	5. Mortification	2	2	..	7	1	8	4	2	1	6	3·3	2	..	..	..	..	..	2
	ORDER 2.																		
	1. Scrofula	14	14	13	8	9	9	11	10	10	9	10·7	6	3	4	..	1	1	..
	2. Tabes Mesenterica	34	20	28	18	30	30	39	36	34	41	31·0	42	41	42	..	..	..	..
	3. Phthisis	143	133	133	131	145	148	134	202	174	143	148·6	176	10	36	82	49	9	..
	4. Hydrocephalus	32	28	38	25	27	26	26	30	31	40	30·3	22	21	22	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	12	12	8	14	10	15	14	20	13	30	14·8	11	5	8	2	1	..	..
	2. Apoplexy	23	27	20	25	25	25	40	27	24	27	26·3	26	6	7	2	13	4	..
	3. Paralysis	20	12	18	17	21	14	14	22	21	33	19·2	28	..	1	1	7	18	1
	4. Insanity	1	1	1	..	2	1	1	3	5	2	1·7	1	..	..	..	1	..	..
	5. Chorea	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	6. Epilepsy	6	3	4	10	4	5	6	8	7	6	5·9	3	..	..	1	1	1	..
	7. Convulsions	37	30	38	50	51	46	35	78	54	55	47·4	62	58	59	1	2	..	..
	8. *Brain Disease, &c.*	19	21	17	12	15	24	18	13	16	18	17·3	16	3	4	5	6	1	..
	ORDER 2.																		
	1. Pericarditis	4	1	..	1	8	5	3	1	1	5	2·9	5	1	1	3	..	1	..
	2. Aneurism	2	3	2	..	2	..	1	2	5	1	1·8	..	..	..	..	..	..	..
	3. *Heart Disease, &c.*	39	48	43	36	48	54	59	55	51	56	48·9	49	1	6	12	15	14	2
	ORDER 3.																		
	1. Laryngitis	5	2	5	6	8	7	4	4	4	6	5·1	..	..	..	..	..	..	..
	2. Bronchitis	52	50	54	57	45	60	37	69	66	46	53·6	48	20	20	1	11	14	2
	3. Pleurisy	1	3	..	3	3	2	2	2	5	5	2·6	1	..	..	..	..	1	..
	4. Pneumonia	18	41	31	48	35	51	32	59	34	48	39·7	46	29	31	4	8	3	..
	5. Asthma	5	1	1	8	5	3	4	8	2	6	4·3	3	..	..	..	1	2	..
	6. *Lung Disease, &c.*	9	9	9	12	7	18	5	5	11	10	9·5	5	1	2	1	2	..	..
	ORDER 4.																		
	1. Gastritis	3	4	..	1	3	..	4	2	1	..	1·8	2	..	..	..	..	2	..
	2. Enteritis	9	5	9	8	14	9	11	9	5	8	8·7	9	8	9	..	..	..	..
	3. Peritonitis	5	3	4	4	6	7	2	5	4	5	4·5	2	1	2	..	..	..	..
	4. Ascites	3	..	2	1	3	3	1	2	7	2	2·4	2	..	..	..	1	1	..
	5. Ulceration of Intestines	1	2	5	2	4	..	2	2	2	6	2·6	..	..	..	..	..	..	..
	6. Hernia	3	2	2	4	4	2	2	..	6	2	2·7	6	1	1	1	3	1	..
	7. Ileus	6	2	5	4	3	2	..	4	4	1	3·1	3	1	1	..	2	..	..
	8. Intussusception	..	..	..	..	2	2	..	1	1	2	·8	1	..	..	..	..	1	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

In the THIRTIETH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, July 30 1859	July 28 1860	July 27 1861	July 26 1862	July 25 1863	July 30 1864	July 29 1865	July 28 1866	July 27 1867	July 25 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, July 31, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	67°·0	55°·6	61°·1	60°·1	57°·3	63°·6	66°·0	59°·3	59°·2	69°·2	61°·8	Mean Temp. 64°·0						
	9. Stricture of Intestines	..	1	1	2	..	..	..	..	..	..	·4	1	..	..	..	1	..	..
	10. Fistula	1	1	..	..	..	1	1	1	..	..	·5	1	..	..	..	1	..	..
	11. *Stomach Disease, &c.*	5	4	8	6	12	3	14	5	11	4	7·2	7	2	2	1	..	3	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	4	4	7	4	7	3	5	6	5	3	4·8	1	..	..	..	1	..	..
	14. Jaundice	5	1	2	7	6	4	9	8	7	4	5·3	8	2	3	..	2	3	..
	15. *Liver Disease, &c.*	17	9	5	17	15	10	23	16	15	29	15·6	20	..	..	6	9	4	1
	16. *Spleen Disease, &c.*	1	1	..	..	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	1	..	..	2	..	1	..	2	2	..	·8	2	1	1	1	..	..	..
	2. Ischuria	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..
	3. Bright's disease (Nephria)	8	5	9	3	8	9	9	7	9	4	7·1	12	1	2	4	3	2	1
	4. Diabetes	1	..	1	1	..	3	2	2	1	1	1·2	..	..	..	..	..	..	..
	5. Calculus (Stone)	1	2	..	..	1	1	1	1	1	..	·8	1	..	..	..	..	1	..
	6. Cystitis	..	..	..	..	..	1	1	..	1	..	·3	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	7	9	6	3	7	7	8	12	8	8	7·5	6	..	..	1	4	1	..
	ORDER 6.																		
	1 Ovarian Dropsy	3	..	..	2	..	1	2	..	..	..	·8	1	..	..	..	1	..	..
	2. *Uterus Disease, &c.*	5	2	4	3	6	4	7	3	6	1	4·1	6	..	..	2	3	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	1	1	..	..	..	..	..	..	1	1	·4	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	3	1	1	5	7	3	2	2	7	8	3·9	6	1	4	2	..	..	..
	ORDER 8.																		
	1. Phlegmon	1	..	3	2	..	..	..	1	2	2	1·1	5	2	3	..	2	..	..
	2. Ulcer	..	1	1	1	..	..	1	..	3	1	·8	1	..	..	..	..	..	1
	3. *Skin Disease, &c.*	2	..	..	..	..	2	1	1	..	..	·6	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	28	23	17	14	21	19	19	20	17	21	19·9	24	24	24	..	..	..	..
	2. Cyanosis	..	4	..	2	2	2	2	..	3	1	1·6	1	1	1	..	..	..	..
	3. Spina Bifida	..	1	1	2	2	4	1	3	..	2	1·6	2	2	2	..	..	..	..
	4. Other Malformations	1	2	1	..	3	2	3	1	2	1	1·6	..	..	..	..	..	..	..
	5. Teething	9	13	10	15	10	20	13	18	22	26	15·6	24	24	24	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	1	..	1	..	1	1	·4	..	..	..	..	..	..	..
	2. Childbirth(*see* Puerperal Fev.)	..	2	4	7	4	6	3	4	6	6	4·2	7	..	1	6	..	..	..
	ORDER 3.																		
	1. Old Age	30	22	43	34	43	51	44	49	37	54	40·7	38	..	..	..	..	21	17
	ORDER 4.																		
	1. Atrophy and Debility	82	51	75	57	97	95	80	111	79	118	84·5	78	71	71	1	2	4	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	18	13	15	17	10	19	11	17	17	17	15·4	19	2	6	5	5	3	..
	2. Wounds	..	2	..	..	..	1	..	..	..	..	·3	1	..	..	1	..	..	..
	3. Burns and Scalds	2	..	..	4	2	3	8	5	7	8	3·9	3	3	3	..	..	..	..
	4. Poison	1	..	2	..	1	3	..	1	1	2	1·1	..	..	..	..	..	..	..
	5. Drowning	8	4	13	5	7	8	9	15	13	17	9·9	13	..	8	2	3	..	..
	6. Suffocation	1	5	5	4	7	4	5	5	8	7	5·1	4	4	4	..	..	..	..
	7. Otherwise	..	1	2	..	1	7	4	4	1	15	3·5	2	2	2	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	3	4	..	2	1	1	1	1	3	1·8	3	3	3	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	3	3	..	1	3	..	1	3	..	3	1·7	1	..	..	..	..	1	..
	2. Poison	1	1	..	..	1	1	1	1	..	1	·7	..	..	..	..	..	..	..
	3. Drowning	..	..	2	1	..	..	..	1	1	1	·6	1	..	..	1	..	..	..
	4. Hanging	..	2	1	..	..	..	1	1	5	3	1·3	1	..	..	1	..	..	..
	5. Otherwise	1	1	..	..	1	2	1	..	1	1	·8	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
	Sudden Deaths (Cause unascertained)	6	5	6	6	4	3	7	..	2	1	4·0	..	..	..	..	..	..	..
	Causes not specified or ill-defined	14	2	17	5	4	28	38	19	5	28	16·0	2	1	1	..	..	1	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 31st July 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
July.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday	25	..	29·730	79·8	52·8	27·0	65·3	55·8	106·5	44·3	68·4	66·4	9·5	25·2	0·0	+ 3·5	71	WSW, W, & N.W.	SW.	0·1	0·0	0·0	148	0·00	1
Monday	26	..	29·649	77·9	51·7	26·2	64·9	55·4	136·7	48·3	68·4	66·4	9·5	21·2	0·0	+ 3·0	71	SW. & SSW.	SW&WSW	2·1	0·0	0·3	250	0·00	3
Tuesday	27	..	29·741	77·7	55·9	21·8	64·9	50·2	136·6	49·3	67·4	65·4	14·7	26·5	4·2	+ 2·9	59	WSW.	WSW.	2·7	0·0	0·3	275	0·00	5
Wednesday	28	Apogee	29·801	62·1	50·9	11·2	59·0	58·2	81·5	44·6	67·4	65·4	0·8	4·0	0·0	— 3·2	97	SW. & NE.	N., NE., & NNE.	0·6	0·0	0·0	118	0·41	1
Thursday	29	In Equator	29·817	75·7	49·7	26·0	62·2	54·0	131·8	43·9	66·6	64·7	8·2	19·9	2·1	— 0·1	75	SW.	SW.	3·3	0·0	0·4	244	0·00	2
Friday	30	..	29·902	76·9	59·2	17·7	65·8	60·3	115·4	54·9	67·4	65·4	5·5	15·0	0·0	+ 3·4	83	SW.	SW.	3·2	0·0	0·6	381	0·00	5
Saturday	31	Last Quarter	29·860	70·5	62·6	7·9	66·1	60·8	117·7	52·8	66·9	64·9	5·3	9·4	1·8	+ 3·7	83	WSW & SW	SW.	3·0	0·0	0·3	324	0·00	5
Means		..	29·786	74·4	54·7	19·7	64·0	56·4	118·0	48·3	67·5	65·5	7·6	17·3	1·2	+ 1·9	77	SW.		..	..	..	Sum 1740	Sum 0·41	3·1
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. July.		Electricity.	Sky and Atmosphere.
Sunday	25	No electricity was shown.	Haze and thin clouds prevailed till evening; the sky was afterwards cloudless, but dense haze was prevalent.
Monday	26		Fine in the morning, and light clouds prevalent; a little rain fell about 3h. P.M.; afterwards generally cloudy.
Tuesday	27		Generally cloudy. Slight rain fell about noon.
Wednesday	28		Overcast. Rain fell heavily between 8h. A.M. and 1h. P.M., and again between 2h. P.M. and 3h. P.M.
Thursday	29		A fine day; light clouds were prevalent till evening; afterwards overcast.
Friday	30		Generally overcast.
Saturday	31	The insulating lamp was not burning.	Generally cloudy throughout the day. A little thin rain fell at night.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·78 in. at the beginning of the week to 29·64 in. by 9h. P.M. on the 26th; increased to 29·83 in. by 9h. A.M. on the 28th; decreased to 29·78 in. by 9h. P.M. on the same day; increased to 29·83 in. by 9h. A.M. on the 29th; decreased to 29·82 in. by 9h. P.M. on the same day; increased to 29·94 in. by 9h. P.M. on the 30th; and was 29·79 in. at the end of the week.

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WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 31. 1869. Vol. XXX.] Week ending Saturday, August 7. [Price 1*d.*

General Register Office, Somerset House, 9th August 1869.

In the week that ended on Saturday, 7th August, 4526 births, and 3446 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 27 per 1000 persons living.

The annual rate of mortality last week was 27 per 1000 in London, 28 in Edinburgh, and 24 in Dublin; 26 in Bristol, 22 in Birmingham, 35 in Liverpool, 33 in Manchester, 28 in Salford, 27 in Sheffield, 24 in Bradford, 28 in Leeds, 19 in Hull, 27 in Newcastle-upon-Tyne, and 29 in Glasgow.

In the eleven English towns, including London, 741 deaths were last week referred to diarrhœa, principally infantile; showing an average annual death-rate from this disease of 7 per 1000 persons estimated to be living in those towns. The death-rate from diarrhœa in the several towns was 10 per 1000 in Manchester and Liverpool, 9 in Salford, 7 in Sheffield, Birmingham, and Leeds, 6 in London, 4 in Bradford, Bristol, and Newcastle, and only 2 in Hull.

In Paris the annual rate of mortality in the week ending last Saturday (7th August) was 22 per 1000. The rate in Berlin during the seven days ending 5th August was 45 per 1000, and in Vienna 35 per 1000 during the week ending 31st July. During the above weeks the annual rate of mortality from diarrhœa was only 1·4 per 1000 in Paris, while it was 16 per 1000 in Berlin, and 6 in Vienna.

In London the births of 1070 boys and 1060 girls, in all 2130 children, were registered last week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2087.

The deaths registered in London during the week were 1630. It was the thirty-first week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1634. The deaths in the present return are slighly below the estimated amount, and are less by 16 than the number recorded in the preceding week.

The deaths from zymotic diseases were 735, the corrected average number being 669. Two deaths from small-pox, 25 from measles, 100 from scarlet fever, 8 from diphtheria, 65 from whooping-cough, 6 from typhus fever, 22 from enteric fever, and 10 from simple continued fever were registered.

Diarrhœa proved fatal to 372 children and 22 adults. In the four preceding weeks the total numbers were 30, 102, 253, and 384. Seventy-one cases were recorded last week in the West districts, 84 in the North, 37 in the Central, 91 in the East, and 111 in the South districts.

The deaths of 31 children and 2 adults from simple cholera or choleraic diarrhœa were recorded.

A gentleman, aged 42 years, died on 31st July at Portland-road, Kensington, from "diarrhœa (7 days), simple cholera (3 days), collapse (6 hours)."

A messenger, aged 32 years, died on 4th August at 12 Great Chapel-street, Westminster, from "choleraic diarrhœa (9 days)."

The deaths of 2 persons from intemperance, of 3 persons from delirium tremens, of 11 infants from syphilis, of 4 persons from burns or scalds, of 6 persons from drowning, of 5 infants and one adult from suffocation, and of 3 persons who committed suicide were registered.

A surgeon, aged 72, died on 31st July at Overton-road, Brixton, from "sunstroke."

The following deaths of 8 persons who were killed by horses or carriages in the streets were recorded:—

An omnibus conductor, aged 29 years, "delirium tremens; shock from falling from an omnibus." Died on 31st July in the Westminster Hospital. (*Inquest.*)

A labourer, aged 33 years, "fractured ribs and perforation of lung; fell from a cart." Died on 31st July in the Westminster Hospital. (*Inquest.*)

A boy, aged 9 yrs., "run over by a cart." Died on 31st July in the Great Northern Hospital. (*Inq.*)

The widow of a chemist, aged 67 years, "compound fracture of right thigh and leg; run over by a van." Died on 5th August in St. Bartholomew's Hospital. (*Inquest.*)

A carter, aged 30 years, "fell from and run over by a cart." Died on 30th July in St. Thomas's Hospital. (*Inquest.*)

The daughter of a hammerman, aged 18 months, "fractured skull; run over by a cart in Emerson-street, Southwark." Died instantly on 30th July. (*Inquest.*)

A butcher, aged 53 years, "fractured spine; fell from an omnibus." Died on 1st August in the London Hospital. (*Inquest.*)

A labourer, aged 19 yrs., "run over by a cart." Died on 2d August in the London Hospital. (*Inq.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·867 in. The barometrical reading increased from 29·61 in. on Sunday, 1st August, to 30·16 in. on Friday, 6th August. The mean temperature of the air in the week was 59·8°, which is 2·5° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 76·5° on Wednesday, 4th August. The lowest night temperature was 45·4° on Saturday, 7th August. The entire range of temperature in the week was, therefore, 31·1°. The mean of the highest temperatures of the water of the Thames was 64·9°; that of the lowest was 63·1°. The difference between the mean dew-point temperature and air temperature was 7·3°. The mean degree of humidity of the air was 77, complete saturation being represented by 100. Rain fell to the amount of 0·47 in. On Saturday, 7th August, rain fell at Eccles to the amount of 0·89 in. The general direction of the wind was W.S.W. Lightning was occasionally seen during the week.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 202,162 cubic metres, and at Barking 157,248 cubic metres, equivalent to about as many tons by weight.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of July 1869: thus, according to their account, 110,094,058 gallons or 500,208 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 107 decalitres, rather more than a *ton* by weight, to each house, and 15·1 decalitres (= 33·2 gallons) to each person.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	June 1869.	July 1869.	June 1869.	July 1869.
Total Supply	464,798	466,969	103,670,995	110,094,058
From Thames	212,766	213,199	53,447,192	56,993,196
From Lea and from other Sources	252,032	253,770	50,223,803	53,100,862
Thames.				
Chelsea	27,212	27,212	9,019,100	9,681,400
West Middlesex	39,720	39,720	8,257,317	9,501,568
Southwark and Vauxhall	72,445	72,483	14,456,271	14,531,976
Grand Junction	30,411	30,599	11,090,104	11,409,952
Lambeth	42,978	43,185	10,624,400	11,868,300
Lea and other Sources.				
New River	116,222	116,511	24,719,000	25,466,000
East London	97,971	98,944	18,399,000	19,540,900
Kent	37,839	38,315	7,105,803	8,093,962

Note.—The Return for July as compared with that for June shows an increase of 2,171 houses, and an increase of 6,423,063 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Thirty-first Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1718	1752	1677	1794	1941	1906	1828	1988	2264	2106	1897·4	2130
Males	860	921	898	928	1007	974	885	1049	1139	1078	973·9	1070
Females	858	831	779	866	934	932	943	939	1125	1028	923·5	1060
Total Deaths	1337	1047	1225	1209	1514	1595	1311	2661	1291	1665	1485·5	1630*
Males	665	546	575	610	803	870	663	1321	653	859	756·5	824
Females	672	501	650	599	711	725	648	1340	638	806	729·0	806

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The returns for the sub-districts of Artillery and Whitechapel Church were not received when the Tables were under preparation, but averages of 3 and 11 respectively are substituted for the true numbers, which are one for the sub-district of Artillery, and 10 for the sub-district of Whitechapel Church.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 7th day of August 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 7th Aug.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 7th Aug.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4526**	**3244**	**3446**	**76·5**	**43·3**	**57·2**	**0·84**	**85**	**24·72**	**6·28**	**14·00**	**213**
London (Metropolis . .	3,170,754	40·7	2070	2130	1462	1630	76·5	45·4	59·8	0·47	47	24·72	7·44	15·45	119
Bristol . . (City) .	169,423	36·1	109	117	76	84 *	71·6	45·0	59·1	0·93	94	22·01	7·22	15·06	236
Birmingham . (Borough) .	360,846	46·1	283	271	175	152	69·8	48·0	58·1	0·53	54	21·01	8·89	14·50	135
Liverpool . . (Borough) .	509,052	99·7	345	337	295	344	68·5	50·0	57·4	0·68	69	20·28	10·00	14·11	173
Manchester . (City) .	370,892	82·7	277	232	210	234 *	72·0	45·8	56·6	1·54	156	22·22	7·67	13·67	391
Salford . . (Borough) .	119,350	23·1	89	119	60	63	70·3	45·1	55·8	1·83	185	21·28	7·28	13·23	465
Sheffield . . (Borough) .	239,752	10·5	196	164	126	126	71·0	44·0	57·2	0·81	82	21·67	6·67	14·00	206
Bradford . . (Borough) .	138,522	21·0	105	112	71	63	70·4	50·8	57·4	0·78	79	21·33	10·45	14·11	198
Leeds . . . (Borough) .	253,110	11·7	189	214	129	138	72·0	50·0	58·4	0·72	73	22·22	10·00	14·66	183
Hull . . . (Borough) .	126,682	35·6	83	86	59	46	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	92	69	67	..	..	..	..	..	..	..	..	..
Edinburgh . (City) .	178,002	40·2	112	123	86	96	66·7	44·0	54·5	0·50	51	19·28	6·67	12·50	127
Glasgow . . (City) .	458,937	90·6	374	347	268	257	67·1	45·7	54·3	0·70	71	19·50	7·71	12·39	178
Dublin (City and some suburbs)	320,762	32·9	219	182	158	146	70·5	43·3	57·6	0·63	64	21·39	6·28	14·23	160
Paris . . . (City) .	1,889,842	..	..	..	..	795	..	..	..	..	..	..	..	..	..
				Week ending 31st July 1869.		Week ending 31st July 1869.	Week ending 31st July 1869.					Week ending 31st July 1869.			
Vienna . . . (City) .	(1863) 560,000	..	..	..	..	372	..	..	76·3	..	..	..	..	24·62	..
				Week ending 5th Aug. 1869.		Week ending 5th Aug. 1869.	Week ending 5th August 1869.					Week ending 5th August 1869.			
Berlin . . (City) .	(1867) 702,437	..	..	576	..	617	..	..	69·1	..	..	..	..	20·63	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 7th August, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2130	1630	2	25	100	8	65	38	394
WEST DISTRICTS -	313	260	-	3	10	-	6	2	71
NORTH DISTRICTS -	463	379	2	7	25	2	25	14	84
CENTRAL DISTRICTS	254	191	-	1	9	2	3	7	37
EAST DISTRICTS -	438	343	-	7	31	2	16	4	91
SOUTH DISTRICTS -	662	457	-	7	25	2	15	11	111
WEST DISTRICTS.									
St. Mary Paddington *WH*	43	31	-	1	4	-	-	-	10
St. John Paddington H	14	14	-	-	-	-	-	-	3
Kensington Town *W* -	55	29	-	1	1	-	-	-	11
Brompton H - -	12	13	-	-	-	-	-	-	-
St. Peter Hammersmith	3	4	-	-	-	-	-	-	-
St. Paul Hammersmith	13	22	-	-	1	-	-	-	15
Fulham *W* - - -	16	12	-	-	2	-	-	-	3
Chelsea South H - -	14	11	-	-	-	-	1	-	2
Chelsea North-west H*Ww*	15	15	-	-	-	-	1	-	3
Chelsea North-east -	16	5	-	-	-	-	-	1	2
Hanover Square - -	8	7	-	-	-	-	-	-	1
May Fair *W* - -	6	10	-	-	-	-	-	-	-
Belgrave H - - -	39	17	-	-	-	-	1	-	6
St. John Westminster -	23	22	-	-	-	-	1	-	6
St. Margaret West. *WH*	11	28	-	-	-	-	2	1	8
St. James's Square -	2	2	-	-	-	-	-	-	-
Golden Square *W* -	4	5	-	-	-	-	-	-	1
Berwick-street - -	7	5	-	1	2	-	-	-	-
St. Anne Soho - -	12	8	-	-	-	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	21	18	-	1	1	-	-	-	2
Cavendish Square - -	5	3	-	-	1	-	-	-	2
Rectory Marylebone *W*	25	19	-	-	-	-	-	1	2
St. Mary Marylebone -	12	12	-	-	1	1	1	-	4
Christchurch Marylebone	21	15	-	-	1	-	3	-	4
St. John Marylebone -	15	9	-	-	-	-	2	-	3
Hampstead *W* - -	7	8	-	-	1	-	1	1	2
Regent's Park Pancras -	23	21	-	-	2	-	2	2	4
Tottenham-court *w*H -	5	10	-	-	-	-	3	-	1
Gray's Inn Lane H -	27	17	-	-	2	-	-	1	4
Somers Town - -	32	20	-	-	1	-	1	-	7
Camden Town *W* -	19	12	-	-	-	-	2	-	1
Kentish Town - -	36	36	-	2	-	-	3	1	12
Islington West* *WHH*	79	63	2	1	3	-	1	6	11
Islington East *Ww* -	58	55	-	1	3	1	3	1	12
Stoke Newington - -	3	8	-	-	1	-	-	-	2
Stamford Hill - -	1	-	-	-	-	-	-	-	-
West Hackney - -	22	17	-	-	2	-	-	1	8
Hackney *WHw* - -	29	22	-	2	3	-	2	-	3
South Hackney L -	23	14	-	-	3	-	1	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	18	7	-	-	-	-	-	-	2
St. Giles South *W* -	23	10	-	-	-	-	-	-	-
St. Giles North - -	15	12	-	-	1	-	1	-	2
Long Acre - - -	9	4	-	-	-	-	-	-	2
Charing Cross *WH* -	3	7	-	-	-	-	-	-	4
St. Mary-le Strand -	9	6	-	-	-	-	-	-	-
St. Clement Danes H -	7	9	-	-	-	-	-	-	-
‡St.George-the-Martyr H	14	14	-	-	-	-	-	-	6
St. Andrew, East Holb. *W*	8	11	-	-	1	-	-	-	2
Saffron Hill - - -	2	7	-	-	1	-	-	1	2
St. James Clerkenwell *W*	15	22	-	-	1	-	1	-	6
Amwell Clerkenwell -	13	4	-	-	-	-	-	-	1
Pentonville - - -	6	2	-	-	-	-	-	-	-
Goswell-street - -	7	5	-	-	-	-	1	-	-
Old street - - -	11	10	-	-	-	1	-	1	3
City-road HL - -	20	8	-	-	-	1	-	1	2
Whitecross street - -	19	7	-	-	2	-	-	-	-
Finsbury - - - -	8	5	-	-	-	-	-	1	-
St. Botolph East London	15	10	-	1	1	-	-	-	3
Cripplegate - - -	7	11	-	-	-	-	-	2	1
West London North *WH*	7	11	-	-	1	-	-	1	1
West London South -	5	1	-	-	-	-	-	-	-
London City South-west	-	1	-	-	-	-	-	-	-
London City North-west	1	-	-	-	-	-	-	-	-
London City South -	3	2	-	-	-	-	-	-	-
London City South-east	5	-	-	-	-	-	-	-	-
London City North-east	4	5	-	-	1	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	5	10	-	1	2	-	1	1	2
St. Leonard Shrdtch. L†	12	9	-	-	2	-	1	-	1
Hoxton New Town *w* -	19	19	-	-	1	-	-	-	6
Hoxton Old Town - -	14	6	-	-	-	-	1	-	-
Haggerstone West *W* -	17	16	-	-	-	-	-	2	6
Haggerstone East - -	20	16	-	-	1	1	2	2	4
Hackney road - -	27	14	-	-	2	-	1	-	5
Green, Bthnl. Grn. *W*HL†	35	28	-	1	2	-	-	-	7
Church, Bethnal Green	12	11	-	-	2	-	-	-	4
Town, Bethnal Green -	10	9	-	-	3	-	-	-	2
Artillery Whitechapel -	4	3	-	-	-	-	-	-	-
Spitalfields - - -	15	9	-	-	-	-	1	-	3
Mile End New Town *W*	10	14	-	-	2	-	1	-	1
Whitechapel North -	2	5	-	1	1	-	-	-	1
Whitechapel Church H	5	11	-	-	-	-	-	-	-
Goodman's Fields - -	5	6	-	-	-	-	-	-	1
Aldgate - - - -	3	10	-	1	-	-	1	-	3
St. Mary St. Geo. East -	10	11	-	-	2	1	-	-	4
St. Paul St. Geo. East -	13	10	-	1	2	-	-	-	5
St. John St. Geo. East *W*	9	6	-	-	1	-	-	-	3
Shadwell *W* - - -	3	8	-	-	-	-	-	-	4
Ratcliff *W* - - -	16	8	-	-	1	-	1	-	1
Limehouse *W* - -	27	14	-	-	1	-	-	-	3
Mile End Old Town, West	30	13	-	1	1	-	2	-	3
Mile End Old T., East *Ww*	31	26	-	-	2	-	1	-	6
Bow *ww*L† - - -	46	32	-	1	2	-	1	1	11
Poplar *W* - - -	38	19	-	-	1	-	-	-	5
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	4	8	-	1	1	-	-	-	4
St. Saviour Southwark H	13	9	-	-	-	-	-	-	2
St. Olave Southwark H	1	9	-	-	-	-	-	-	-
St. John Horsleydown *W*	5	8	-	-	3	-	1	-	2
St. James Bermondsey -	32	18	-	-	1	-	2	-	3
St. Mary Magdalen *W*	9	12	-	-	-	-	-	-	3
Leather Market - -	15	10	-	1	-	-	-	-	4
Kent-road - - -	17	13	-	-	1	-	-	-	6
Borough-road *W* - -	11	12	-	-	-	-	-	-	2
London-road L - -	14	7	-	1	-	-	-	-	2
Trinity Newington -	21	20	-	-	2	1	1	-	5
St. Peter Walworth *W*	28	20	-	-	-	-	-	1	2
St. Mary Newington H -	17	15	-	-	1	-	-	-	3
Waterloo-road 1st - -	19	6	-	-	-	-	-	-	2
Waterloo-road 2nd -	15	13	-	1	-	-	1	-	4
Lambeth Church 1st -	21	19	-	-	-	-	-	2	5
Lambeth Church 2nd *W*	26	29	-	1	2	-	1	2	7
Kennington 1st - -	42	11	-	1	-	-	-	1	4
Kennington 2nd - -	19	8	-	1	-	-	1	-	1
Brixton - - - -	19	10	-	-	1	-	-	-	1
Norwood *W* - - -	7	1	-	-	1	-	-	-	-
Clapham - - -	27	11	-	-	2	-	-	1	4
Battersea *Ww* - -	32	24	-	-	2	-	3	1	6
Wandsworth L - -	10	6	-	-	1	-	-	-	1
Putney - - - -	6	1	-	-	-	-	-	-	-
Streatham - - -	9	1	-	-	-	-	-	-	1
Dulwich - - -	1	2	-	-	1	-	1	-	-
Camberwell *WL*†*L*† -	17	17	-	-	1	-	-	-	2
Peckham - - -	25	15	-	-	-	-	-	-	3
St. George Camberwell -	15	16	-	-	-	1	1	-	4
Rotherhithe *W* - -	13	17	-	-	-	-	1	-	4
St. Paul Deptford - -	35	21	-	-	-	-	1	-	10
St. Nicholas Deptford -	8	8	-	-	4	-	-	-	-
Greenwich West H -	24	12	-	-	1	-	-	1	3
Greenwich East *WH* -	11	15	-	-	-	-	-	1	2
Eltham - - - -	5	1	-	-	-	-	-	-	-
Lee - - - - -	7	-	-	-	-	-	-	-	-
Lewisham Village *W* -	3	2	-	-	-	-	-	-	1
Sydenham - - -	8	5	-	-	-	-	-	-	1
Charlton H - - -	6	4	-	-	-	-	-	-	1
Woolwich Dockyard H	15	6	-	-	-	-	-	-	2
Woolwich Arsenal H -	17	4	-	-	-	-	-	-	-
Plumstead, West - -	5	5	-	-	-	-	-	1	1
Plumstead, East - -	8	6	-	-	-	-	1	-	3

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.

Deaths in London, from All Causes, Registered in the Thirty-first Week of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 6 1859	Aug 4 1860	Aug 3 1861	Aug 2 1862	Aug 1 1863	Aug 6 1864	Aug 5 1865	Aug 4 1866	Aug 3 1867	Aug 1 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 7, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	63°·8	58°·2	61°·0	61°·3	59°·9	65°·0	55°·9	58°·8	55°·0	67°·6	60°·7	Mean Temp 59°·8						
	ALL CAUSES . . .	1337	1047	1225	1209	1514	1595	1311	2061	1291	1665	1485·5	1630	972	1094	153	161	171	37
	SPECIFIED CAUSES .	1333	1034	1214	1200	1507	1582	1290	2643	1279	1649	1473·1	1614	970	1092	153	161	171	37
	(Classes.)																		
I.	ZYMOTIC DISEASES .	579	274	418	352	586	663	409	1686	423	691	608·1	735	613	675	18	16	20	6
II.	CONSTITUTIONAL „ .	281	240	228	278	270	280	270	285	248	286	266·6	268	74	104	80	56	28	...
III.	LOCAL „ .	299	343	350	374	410	389	382	441	395	412	379·5	388	142	160	43	82	88	15
IV.	DEVELOPMENTAL „ .	142	127	178	146	175	197	173	184	167	210	169·9	183	127	129	6	2	31	15
V.	VIOLENT DEATHS . .	32	50	40	50	66	53	56	47	46	50	49·0	40	14	24	6	5	4	1
	(Orders.)																		
I.	1. Miasmatic Diseases . .	544	245	380	328	539	625	388	1650	383	641	572·3	688	575	637	14	13	18	6
	2. Enthetic „ . .	10	9	7	5	13	8	5	13	10	11	9·1	14	11	11	..	1	2	..
	3. Dietic „ . .	15	18	30	14	28	27	11	19	24	24	21·0	24	18	18	4	2	..	..
	4. Parasitic „ . .	10	2	1	5	6	3	5	4	6	15	5·7	9	9	9	..	..	..	..
II.	1. Diathetic „ . .	53	35	42	54	49	63	59	45	48	48	49·6	45	..	3	4	18	20	..
	2. Tubercular „ . .	228	205	186	224	221	217	211	240	200	238	217·0	223	74	101	76	38	8	..
III.	1. Diseases of Nervous System . .	109	124	118	114	128	144	120	149	132	146	128·4	139	67	69	7	19	37	7
	2. „ of Organs of Circulation .	26	39	47	34	57	47	59	69	67	50	49·5	44	..	4	7	16	14	3
	3. „ of Respiratory Organs . .	70	103	89	124	125	107	87	136	98	108	104·7	112	57	63	13	14	18	4
	4. „ of Digestive Organs . .	61	41	74	61	54	58	73	53	61	72	60·8	61	16	18	7	21	15	..
	5. „ of Urinary Organs . . .	17	24	11	23	26	22	23	24	19	19	20·8	22	1	3	8	7	3	1
	6. „ of Organs of Generation .	7	2	6	5	10	2	8	3	4	9	5·6	3	..	..	..	3	..	..
	7. „ of Organs of Locomotion .	3	8	3	5	5	5	5	6	13	6	5·9	6	1	3	1	2	..	..
	8. „ of Integumentary System .	6	2	2	8	5	4	7	1	1	2	3·8	1	..	..	..	..	1	..
IV.	1. Dev. Diseases of Children	33	29	48	42	47	49	41	34	44	53	42·0	31	30	31	..	..	..	..
	2. „ of Adults . .	3	2	9	4	9	6	6	7	9	4	5·9	6	..	..	5	1	..	..
	3. „ of Old People	38	33	47	42	53	46	35	46	34	45	41·9	40	..	..	..	..	25	15
	4. Diseases of Nutrition .	68	63	74	58	66	96	91	97	80	108	80·1	106	97	98	1	1	6	..
V.	1. Accident or Negligence .	26	38	32	40	58	46	42	34	39	44	39·9	36	13	22	5	4	4	1
*	3. Homicide	4	4	4	1	3	..	3	4	2	..	2·5	1	1	1	..	..	..	..
	4. Suicide	2	8	4	9	5	6	11	9	3	6	6·3	3	..	1	1	1	..	..
	5. Execution	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	Violent Deaths not classed	..	..	..	..	..	..	..	..	2	..	·2	..	..	..	..	..	..	..
	Sudden Deaths, cause unascertained	4	2	2	3	3	3	10	1	1	1	3·0	..	..	..	..	..	..	..
	Causes not specified . .	..	11	9	6	4	10	11	17	11	15	9·4	16†	2	2	..	..	..	..

* Order 2., comprising Violent Deaths in Battle, is omitted as inapplicable to the civil population.

† Averages amounting to 14 are added, without distinction of ages. See note *, page 272.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 6 1859	Aug 4 1860	Aug 3 1861	Aug 2 1862	Aug 1 1863	Aug 6 1864	Aug 5 1865	Aug 4 1866	Aug 3 1867	Aug 1 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 7, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	°63·8	°58·2	°61·0	°61·3	°59·9	°65·0	°55·9	°58·8	°55·0	°67·6	°60·7	Mean Temp. °59·8						
I.	ORDER 1.																		
	1. Small-pox	20	6	..	4	43	9	8	28	21	5	14·4	2	1	1	..	1	..	..
	2. Measles	14	47	17	50	23	102	25	45	16	46	38·5	25	25	25	..	..	..	..
	3. Scarlet Fever (Scarlatina)	63	36	30	59	122	58	23	34	22	47	49·4	100	62	100	..	..	..	..
	4. Diphtheria	20	10	11	11	16	7	5	7	4	9	10·0	8	6	8	..	..	..	..
	5. Quinsy	4	2	1	1	..	2	2	2	..	..	1·4	..	..	..	..	..	..	..
	6. Croup	2	11	14	9	13	14	4	13	13	9	10·2	8	6	8	..	..	..	..
	7. Whooping-cough	29	30	58	30	30	31	32	44	22	32	33·8	65	63	65	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	40	15	22	68	53	67	47	46	35	52	44·5	6 22 10	.. 6 1	1 15 5	3 3 ..	2 3 2	.. 1 3	.. .. ..
	9. Erysipelas	5	8	4	4	7	7	6	9	7	6	6·3	4	1	1	1	2	..	..
	10. Puerperal Fever (Metria)	1	3	2	1	5	2	..	4	2	2	2·2	3	..	..	3	..	..	..
	11. Carbuncle	1	..	1	1	1	1	..	1	1	1	·8	..	..	..	..	..	..	..
	12. Influenza	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Dysentery	7	..	2	1	3	2	5	3	2	4	2·9	6	4	4	..	..	2	..
	14. Diarrhœa	312	65	195	77	201	286	207	354	217	384	229·8	394	368	372	2	2	12	6
	15. Simple Cholera	24	6	13	3	16	28	19	1053	19	38	121·9	33	31	31	1	1	..	..
	16. Ague	1	..	..	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	17. Remittent fever	1	1	4	..	4	2	1	1	..	..	1·4	..	..	..	..	..	..	..
	18. Rheumatism	..	5	6	8	2	7	4	6	2	6	4·6	2	1	1	1	..	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	8	6	6	5	10	7	4	13	8	10	7·7	11	11	11	..	..	..	..
	2. Stricture of Urethra	2	3	1	..	3	1	1	..	2	..	1·3	3	..	..	..	1	2	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	..	..	3	..	..	..	..	·3	..	..	..	..	..	..	..
	2. Want of Breast-milk	13	10	25	8	21	19	5	15	16	20	15·2	17	17	17	..	..	..	..
	3. Purpura and Scurvy	..	1	1	..	..	1	..	2	2	2	·9	2	1	1	1	..	..	..
	4. Alcoholism *a* Del. Tremens	2	2	3	4	4	2	4	1	4	1	2·7	3	..	..	1	2	..	..
	4. Alcoholism *b* Intemperance	..	5	1	2	3	2	2	1	2	1	1·9	2	..	..	2	..	..	..
	ORDER 4.																		
	1. Thrush	10	2	1	5	6	3	5	4	6	15	5·7	9	9	9	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	1	1	3	..	5	1	2	..	3	1·7	2	..	..	1	..	1	..
	2. Dropsy	20	13	13	18	17	21	15	13	14	4	14·8	12	..	3	3	1	5	..
	3. Cancer	29	16	26	30	25	33	36	26	30	37	28·8	27	..	..	..	15	12	..
	4. Cancrum Oris (Noma)	..	..	1	..	1	..	..	..	..	..	·2	..	..	..	..	..	..	..
	5. Mortification	3	5	1	3	6	4	7	4	4	4	4·1	4	..	..	..	2	2	..
	ORDER 2.																		
	1. Scrofula	6	14	9	12	12	9	17	11	3	6	9·9	5	3	5	..	..	..	..
	2. Tabes Mesenterica	31	10	17	21	28	29	29	46	36	38	28·5	39	36	39	..	..	..	..
	3. Phthisis	161	150	128	158	144	148	141	159	137	163	148·9	156	16	34	76	38	8	..
	4. Hydrocephalus	30	31	32	33	37	31	24	24	24	31	29·7	23	19	23	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	10	4	7	12	11	11	18	13	12	13	11·1	18	17	17	..	1	..	..
	2. Apoplexy	25	33	30	20	25	29	39	25	26	22	27·4	40	5	5	3	10	18	4
	3. Paralysis	9	35	23	19	25	27	17	28	31	26	24·0	22	..	1	..	6	13	2
	4. Insanity	2	..	1	3	..	4	1	1	..	..	1·2	3	..	..	..	1	1	1
	5. Chorea	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
	6. Epilepsy	9	11	6	4	9	1	3	8	7	10	6·8	5	..	1	2	..	2	..
	7. Convulsions	39	30	34	40	35	54	31	64	36	53	41·6	43	43	43	..	..	..	..
	8. *Brain Disease, &c.*	15	11	17	16	22	18	11	10	20	22	16·2	8	2	2	2	1	3	..
	ORDER 2.																		
	1. Pericarditis	2	5	..	1	1	2	4	2	2	..	1·9	1	..	..	..	1	..	..
	2. Aneurism	1	..	1	..	2	..	4	2	3	..	1·3	3	..	..	..	2	1	..
	3. *Heart Disease, &c.*	23	34	46	33	54	45	51	65	62	50	46·3	40	..	4	7	13	13	3
	ORDER 3.																		
	1. Laryngitis	2	3	1	5	4	5	5	3	4	3	3·5	..	..	..	..	..	..	..
	2. Bronchitis	31	49	37	55	63	48	38	65	52	48	48·6	65	31	33	5	8	15	4
	3. Pleurisy	4	2	2	5	1	3	1	1	5	2	2·6	4	..	1	1	1	1	..
	4. Pneumonia	25	41	38	50	45	34	30	57	29	41	39·0	40	25	28	6	5	1	..
	5. Asthma	2	2	3	4	2	6	3	4	1	1	2·8	2	..	..	1	..	1	..
	6. *Lung Disease, &c.*	6	6	8	5	10	11	10	6	7	13	8·2	1	1	1	..	..	..	..
	ORDER 4.																		
	1. Gastritis	3	1	2	1	2	5	2	..	..	2	1·8	3	1	1	1	1	..	..
	2. Enteritis	11	5	9	8	10	8	13	10	8	10	9·2	8	6	7	..	1	..	..
	3. Peritonitis	8	2	4	3	6	7	6	3	6	7	5·2	2	1	1	1	..	..	..
	4. Ascites	2	2	3	3	3	1	1	2	6	2	2·5	5	1	1	..	3	1	..
	5. Ulceration of Intestines	2	2	3	3	1	2	2	..	2	6	2·3	..	..	..	..	..	..	..
	6. Hernia	3	1	1	3	3	1	2	4	7	1	2·6	3	..	..	..	1	2	..
	7. Ileus	2	2	6	3	1	2	9	4	2	6	3·7	2	..	..	..	1	1	..
	8. Intussusception	1	1	..	..	..	1	1	1	1	1	·7	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

In the THIRTY-FIRST WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 6 1859	Aug 4 1860	Aug 3 1861	Aug 2 1862	Aug 1 1863	Aug 6 1864	Aug 5 1865	Aug 4 1866	Aug 3 1867	Aug 1 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 7, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	63°·8	58°·2	61°·0	61°·3	59°·9	65°·0	55°·9	58°·8	55°·0	67°·6	60°·7	Mean Temp. 59°·8						
	9. Stricture of Intestines	..	..	3	1	2	1	1	1	1	..	1·0	1	..	..	..	1	..	..
	10. Fistula	..	1	..	..	..	2	1	..	..	..	·4	1	..	..	1	..	..	..
	11. *Stomach Disease, &c.*	2	5	9	8	2	8	10	6	5	7	6·2	11	3	3	1	5	2	..
	12. *Pancreas Disease, &c.*	..	..	..	1	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	13. Hepatitis	8	..	6	4	3	5	4	3	2	5	4·0	5	..	..	..	1	4	..
	14. Jaundice	3	3	9	2	2	4	2	5	7	4	4·1	8	4	5	1	..	2	..
	15. *Liver Disease, &c.*	15	16	19	21	19	11	17	14	14	20	16·6	12	..	..	2	7	3	..
	16. *Spleen Disease, &c.*	1	..	..	..	..	..	2	..	..	1	·4	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	1	1	..	2	1	3	1	..	1	1·0	3	..	1	1	1	..	..
	2. Ischuria	1	..	1	..	..	..	1	..	..	2	·5	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	2	6	4	5	15	13	8	5	7	7	7·2	11	1	2	4	5	..	..
	4. Diabetes	..	3	1	2	1	..	3	..	1	1	1·2	..	..	..	..	..	..	..
	5. Calculus (Stone)	..	1	2	1	..	1	..	..	1	1	·7	1	..	..	..	..	1	..
	6. Cystitis	..	1	..	1	2	..	..	2	1	..	·7	2	..	..	1	..	1	..
	7. *Kidney Disease, &c.*	14	12	2	14	6	7	8	16	9	7	9·5	5	..	..	2	1	1	1
	ORDER 6.																		
	1. Ovarian Dropsy	3	..	2	3	1	1	2	..	2	..	1·4	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	4	2	4	2	9	1	6	3	2	9	4·2	3	..	..	..	3	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	3	8	3	5	5	5	5	6	13	6	5·9	6	1	3	1	2	..	..
	ORDER 8.																		
	1. Phlegmon	5	1	..	6	2	2	3	1	..	1	2·1	..	..	..	..	..	..	..
	2. Ulcer	..	..	1	2	2	1	3	..	..	..	·9	1	..	..	..	..	1	..
	3. *Skin Disease, &c.*	1	1	1	..	1	1	1	..	1	1	·8	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	16	11	27	20	22	21	27	19	20	24	20·7	18	18	18	..	..	..	..
	2. Cyanosis	2	2	..	2	3	1	2	1	4	3	2·0	2	1	2	..	..	..	..
	3. Spina Bifida	1	1	..	3	2	1	..	..	1	..	·9	..	..	..	..	..	..	..
	4. Other Malformations	3	..	3	5	3	6	4	1	2	3	3·0	..	..	..	..	..	..	..
	5. Teething	11	15	18	12	17	20	8	13	17	23	15·4	11	11	11	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	2	8	4	9	6	6	7	9	4	5·8	6	..	..	5	1	..	..
	ORDER 3.																		
	1. Old Age	38	33	47	42	53	46	35	46	34	45	41·9	40	..	..	..	..	25	15
	ORDER 4.																		
	1. Atrophy and Debility	68	63	74	58	66	96	91	97	80	108	80·1	106	97	98	1	1	6	..
V.	ORDER 1. (ACCIDENT OR NEGLIGENCE.)																		
	1. Fractures and Contusions	14	13	13	21	29	26	26	17	16	12	18·7	15	3	6	3	3	2	1
	2. Wounds	..	1	..	..	2	1	..	..	1	..	·5	..	..	..	..	..	..	..
	3. Burns and Scalds	3	7	2	5	4	2	5	2	4	4	3·8	4	2	3	..	1	..	..
	4. Poison	1	1	1	..	..	1	2	1	..	..	·7	2	1	2	..	..	..	..
	5. Drowning	4	8	10	7	17	10	5	7	7	13	8·8	6	2	6	..	..	..	..
	6. Suffocation	4	6	5	6	4	1	2	5	5	8	4·6	6	5	5	..	..	1	..
	7. Otherwise	..	2	1	1	2	5	2	2	6	7	2·8	3	..	..	2	..	1	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	4	4	4	1	3	..	3	4	2	..	2·5	1	1	1	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	1	..	1	..	2	1	1	·6	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	1	..	..	1	2	3	2	..	..	·9	1	..	..	1	..	..	..
	2. Poison	..	1	1	1	2	..	2	1	2	1	1·1	1	..	1	..	..	..	..
	3. Drowning	..	3	1	4	..	..	1	2	..	2	1·3	..	..	..	..	..	..	..
	4. Hanging	2	2	1	3	1	3	5	2	..	1	2·0	1	..	..	..	1	..	..
	5. Otherwise	..	1	1	..	1	..	..	..	..	1	·4	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	2	..	·2	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	4	2	2	3	3	3	10	1	1	1	3·0	..	..	..	..	..	..	..
	Causes not specified or ill-defined	..	11	9	6	4	10	11	17	11	15	9·4	16†	2	2	..	..	..	..

" hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† Averages amounting to 14 are added, without distinction of ages. See note *, page 272.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 7th August 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
August.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°									
Sunday . .	1	..	29·656	76·3	54·9	21·4	61·5	52·6	128·4	48·5	67·4	65·4	8·9	22·3	0·0	— 0·9	73	W. & WSW.	WSW. & SW.	lbs. 7·8	lbs. 0·0	lbs. 0·1	Miles. 233	Inches 0·03	4
Monday . .	2	..	29·690	72·7	50·7	22·0	58·5	48·4	123·3	..	64·4	63·4	10·1	19·4	3·0	— 3·9	69	WSW. & W.	WSW. & WNW.	2·4	0·0	0·3	328	0·00	3
Tuesday .	3	..	29·711	66·9	49·5	17·4	56·6	56·0	81·7	40·5	64·4	63·4	0·6	5·4	0·0	— 5·8	98	SW., SSW., & W.	WSW. & SW.	7·8	0·0	0·5	333	0·33	7
Wednesday	4	..	29·813	76·5	58·5	18·0	64·4	55·5	131·4	51·3	64·4	63·4	8·9	15·0	3·8	+ 2·1	73	SW.	SW. & WSW.	2·2	0·0	0·2	298	0·02	6
Thursday.	5	Greatest Dec. N.	30·018	71·6	57·9	13·7	62·7	52·0	114·4	51·8	64·4	62·4	10·7	14·9	4·9	+ 0 5	68	WSW, NW, & N.	N. & & NNW.	0·7	0·0	0·1	223	0·00	4
Friday . .	6	..	30·134	69·0	51·1	17·9	56·9	52·7	116·0	43·0	64·7	62·4	4·2	12·8	0·8	— 5·2	86	N. & NE.	E. & ESE.	0·8	0·0	0·0	136	0·09	3
Saturday.	7	New	30·044	70·8	45·4	25·4	57·7	49·9	124·7	37·3	64·8	61·4	7·8	16·9	2·0	— 4·3	75	Calm & SW.	SW.	1·5	0·0	0·1	207	0·00	3
Means . .		..	29·867	72·0	52·6	19·4	59·8	52·4	117·1	45·4	64·9	63·1	7·3	15·2	2·1	— 2·5	77	WSW.		..	..	..	Sum 1758	Sum 0·47	4·3
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. August.		Electricity.	Sky and Atmosphere.
Sunday .	1	The insulating lamp was not burning.	Light clouds were prevalent during the morning; afterwards generally cloudy. A heavy shower of rain fell about 5h. 15m. P.M., accompanied by lightning and thunder. Occasional showers fell during the evening.
Monday .	2		A fine day. Generally cloudy.
Tuesday .	3		Overcast during the day: variable at night. Rain fell heavily from 7h. 20m. A.M. till a short time after noon; occasional showers fell afterwards.
Wednesday	4		Generally cloudy throughout the day. Frequent showers of rain fell during the afternoon and evening. Lightning was seen about 10h. P.M.
Thursday .	5		Light clouds and haze were prevalent throughout the day. Frequent flashes of vivid lightning were observed at night.
Friday .	6		Fine during the early morning hours. The sky became overcast about 11h. A.M., and rain fell almost continuously between noon and 4h. 30m. P.M. Variable amounts of cloud prevailed at night.
Saturday .	7	No electricity was shown.	Generally cloudless in the early morning; afterwards cloudy till the evening; then variable. At Eccles rain fell to the amount of 0·89 inch.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·79 in. at the beginning of the week to 29·61 in. by 9h. P.M. on the 1st of August; increased to 29·81 in. by 9h. A.M. on the 2d; decreased to 29·65 in. by 3h. P.M. on the same day; increased to 30·16 in. by noon on the 6th; and was 29·95 in. at the end of the week.

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WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 32. 1869. Vol. XXX.] Week ending Saturday, August 14. [Price 1*d.*

General Register Office, Somerset House, 16th August 1869.

In the week that ended on Saturday, 14th August, 4578 births, and 3414 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 27 per 1000 persons living.

The annual rate of mortality last week was 26 per 1000 in London, 28 in Edinburgh, and 20 in Dublin; 22 in Bristol, 25 in Birmingham, 35 in Liverpool, 35 in Manchester, 34 in Salford, 27 in Sheffield, 25 in Bradford, 27 in Leeds, 31 in Hull, 27 in Newcastle-upon-Tyne, and 25 in Glasgow.

Although the temperature in the past two weeks has been considerably below the average, and heavy rains have fallen, the mortality from diarrhœa has but slightly decreased. In the eleven large English towns, including London, 706 deaths were last week referred to this disease, against 741 in the previous week, again showing an average annual death-rate of 7 per 1000 persons estimated to be living in those towns. In the several towns the annual death-rate from diarrhœa was only 2 per 1000 in Bristol, 4 in Hull, 5 in Bradford, 6 in London and Newcastle-upon-Tyne, 7 in Leeds, 8 in Birmingham and Sheffield, 9 in Liverpool, 10 in Manchester, and highest 12 per 1000 in the borough of Salford. Diarrhœa declined in fatality last week in London, Bristol, and Liverpool, while it had increased in nearly all the other towns.

In Paris the annual rate of mortality in the week ending last Saturday (14th August) was 23 per 1000. The rate in Berlin during the seven days ending 12th instant was 38 per 1000, and in Vienna 33 per 1000 during the week ending 7th instant. The mortality from diarrhœa in Paris last week was again remarkably low, while the death-rate from that disease in Berlin and Vienna during the above-mentioned weeks was 12 and 6 per 1000 respectively.

In London the births of 1168 boys and 1059 girls, in all 2227 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2067.

The deaths registered in London during the week were 1591. It was the thirty-second week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1537. The deaths in the present return exceed by 54 the estimated amount.

The deaths from zymotic diseases were 693, the corrected average number being 593. Five deaths from small-pox, 31 from measles, 114 from scarlet fever, 6 from diphtheria, 68 from whooping-cough, 10 from typhus fever, 12 from enteric fever, and 3 from simple continued fever were registered.

323 children and 23 adults died from diarrhœa. In the preceding week the total number was 394. Sixty-six cases occurred last week in the West, 65 in the North, 31 in the Central, 65 in the East, and 119 in the South districts.

The deaths of 22 children and 5 adults from simple cholera or choleraic diarrhœa were registered.

St. George Hanover-square; *Hanover-square.*—At 1 Cock-yard, Davies-street, on 8th Aug., the wife of a carman, aged 49 years, "diarrhœa (2 days); simple cholera (29 hours)."

Holborn; *St. Andrew Eastern.*—At 42 Baldwin's-gardens, on 9th August, the wife of a toy-maker, aged 58 years, "choleraic diarrhœa (6 days); exhaustion."

Poplar; *Bow.*—At Wellington-road, Bromley, on 11th August, the wife of a carpenter, aged 52 years, "choleraic diarrhœa."

In same sub-district, at 63 Bruce-road, Bromley, on 8th August, a lighterman, aged 38 years, "choleraic diarrhœa."

St. Mary Magdalen, Bermondsey; *St. James.*—At 11 Earl-road, on 6th August, a shoemaker, aged 78 years, "English cholera (3 days)."

A carpenter, aged 60 years, died on 3d August in the Workhouse, St. Margaret Westminster, from "supposed sunstroke, acute mania."

The following deaths of 6 persons who were killed by horses or carriages in the streets were registered:—

A cattle salesman, aged 64 years, "injury to the brain; fell from a cart." D'ed on 1st August in University College Hospital. (*Inquest.*)

The son of a carter, aged 6 years, "fracture of pelvis; run over by a dray." Died on 28th July in University College Hospital. (*Inquest.*)

A laundress, aged 20 years, "fractured ribs and other injuries; run over by a van" in Redcross-street, Cripplegate, on 7th August. Died instantly. *Post mort.* (*Inquest.*)

A carman, aged 17 years, "fracture of wrist by falling from a van." Died on 8th August in Guy's Hospital. (*Inquest.*)

The son of a labourer, aged 9 years, "fracture of skull; run over by a cart." Died on 9th August in Guy's Hospital. *Post mort.* (*Inquest.*)

A carman, aged 30 years, "run over by a van." Died on 10th August in Kingston-vale, Putney. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·729 in. The barometrical reading increased from 29·39 in. on Monday, 9th August, to 30·06 in. by the end of the week. The mean temperature of the air in the week was 58·5°, which is 3·5° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 73·9° on Monday, 9th August. The lowest night temperature was 47·4° on Thursday, 12th August. The entire range of temperature in the week was, therefore, 26·5°. The mean of the highest temperatures of the water of the Thames was 62·6°; that of the lowest was 61·0°. The difference between the mean dew-point temperature and air temperature was 7·6°. The mean degree of humidity of the air was 77, complete saturation being represented by 100. Rain fell to the amount of 0·73 in. The general direction of the wind was variable.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 206,694 cubic metres, and at Barking 194,090 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Thirty-second Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total **Births**	1762	1656	1759	1757	1772	1962	2042	1971	2037	2025	1879·3	2227
Males . .	907	857	881	883	919	1014	1065	1021	1053	1065	966·5	1168
Females .	855	799	878	874	853	948	977	950	1034	960	912·8	1059
Total **Deaths**	1296	909	1172	1181	1402	1433	1374	2299	1274	1545	1897·5	1591
Males . .	644	526	601	634	728	733	702	1131	667	795	716·1	822
Females .	652	473	571	547	674	700	672	1168	607	750	681·4	769

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	May 22.	May 29.	June 5.	June 12.	June 19.	June 26.	July 3.	July 10.	July 17.	July 24.	July 31.	Aug. 7.	Aug. 14.
Deaths - - - -	1281	1276	1355	1305	1236	1381	1231	1279	1313	1600	1646	1630	1591
Deaths under 5 years of age -	528	517	532	553	549	590	528	541	652	897	967	972	920
Deaths under 20 years of age	634	613	637	661	652	693	642	660	758	1010	1080	1100	1039
Deaths 20—40 - - -	184	184	196	194	170	204	172	194	150	161	181	159	166
Deaths 40—60 - - -	231	202	258	212	196	227	196	205	204	184	204	163	187
Deaths at 60 years of age and upwards - - -	232	277	264	238	218	257	221	220	201	245	181	208	199
Deaths from Small-pox -	3	8	3	8	3	1	4	4	2	5	4	2	5
„ „ Measles -	22	23	24	28	28	23	22	29	35	23	33	25	31
„ „ Scarlet Fever -	45	45	62	54	60	65	75	85	77	75	88	100	114
„ „ Diphtheria -	5	6	3	3	6	6	4	6	4	4	3	8	6
„ „ Whooping-cough	97	92	89	96	93	76	90	69	77	67	67	65	68
„ „ Typhus fever -	7	16	15	12	10	10	12	12	14	8	18	6	10
„ „ Enteric fever -	12	19	15	18	19	18	14	18	17	21	16	22	12
„ „ SimpleContdfever	4	5	6	9	9	10	14	12	11	14	10	10	3
„ „ Diarrhœa - -	15	5	22	11	17	28	20	30	102	253	384	394	346
„ „ Phthisis - -	194	171	200	166	171	197	174	144	163	166	176	156	162
„ „ Bronchitis - -	101	104	115	97	99	108	85	92	80	64	48	65	50
„ „ Pneumonia -	78	75	62	74	59	64	61	52	52	76	46	40	48
„ „ Heart Disease -	75	60	61	65	62	90	45	57	55	55	49	40	59
Mean Temperature of the Air	50°·0	51°·7	53°·3	59°·0	51°·3	54°·3	56°·9	64°·2	66°·9	66°·0	64°·0	59°·8	58°·5
Mean Temperature of the Water of the Thames -	53·3	53·7	53·5	57·3	56·1	56·1	58·9	62·0	64·4	67·4	66·5	64·0	61·8
Humidity of the Air - -	86	79	82	73	80	83	73	73	72	76	77	77	77
Rain-fall in inches - -	0·68	1·12	0·10	0·00	0·84	0·20	0·00	0·00	0·14	0·00	0·41	0·47	0·73

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 14th day of August 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Borougus, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 14th Aug.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 14th Aug.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4578**	**3244**	**3414**	**73·9**	**38·0**	**56·1**	**0·70**	**71**	**23·28**	**3·33**	**13·39**	**178**
London (Metropolis) . .	3,170,754	40·7	2070	2227	1462	1591	73·9	47·4	58·5	0·73	74	23·28	8·55	14·72	185
Bristol . . (City) .	169,423	36·1	109	110	76	70 *	71·5	42·6	58·4	0·80	81	21·95	5·90	14·66	203
Birmingham . (Borough) .	360,846	46·1	283	277	175	175	70·0	47·1	57·9	0·74	75	21·11	8·39	14·39	188
Liverpool . (Borough) .	509,052	99·7	345	371	295	346	64·1	50·6	56·0	0·91	92	17·84	10·34	13·33	231
Manchester . (City) .	370,892	82·7	277	232	210	248 *	..	..	..	..	..	..	..	..	..
Salford . . (Borough) .	119,350	23·1	89	83	60	77	64·6	42·2	54·5	1·22	123	18·12	5·67	12·50	310
Sheffield . . (Borough) .	239,752	10·5	196	180	126	124	68·0	42·0	56·3	0·27	27	20·00	5·56	13·50	69
Bradford . . (Borough) .	138,522	21·0	105	107	71	66	66·0	45·0	55·4	0·58	59	18·89	7·22	13·00	147
Leeds . . . (Borough) .	253,110	11·7	189	220	129	133	66·0	44·0	56·3	0·69	70	18·89	6·67	13·50	175
Hull . . . (Borough) .	126,682	35·6	83	88	59	76	68·0	38·0	53·1	1·04	105	20·00	3·33	11·73	264
Newcastle-on-Tyne (Borough)	130,503	24·5	90	111	69	68	64·0	45·0	53·3	0·95	96	17·78	7·22	11·84	241
Edinburgh . (City) .	178,002	40·2	112	116	86	94	64·7	43·0	55·8	0·60	61	18·17	6·11	13·23	152
Glasgow . . (City) .	458,937	90·6	374	322	268	223	64·3	43·9	55·4	0·31	31	17·95	6·61	13·00	79
Dublin (City and some suburbs)	320,762	32·9	219	134	158	123	70·7	45·5	58·8	0·30	30	21·50	7·50	14·89	76
Paris . . . (City) .	1,889,842	..	..	..	..	827	..	..	..	..	..	..	..	..	..
				Week ending 7th Aug. 1869.		Week ending 7th Aug. 1869.	Week ending 7th August 1869.					Week ending 7th August 1869.			
Vienna . . (City) .	(1863) 560,000	..	..	..	..	351	..	..	70·7	..	..	..	..	21·50	..
				Week ending 12th Aug. 1869.		Week ending 12th Aug. 1869.	Week ending 12th August 1869.					Week ending 12th August 1869.			
Berlin . . (City) .	(1867) 702,437	..	..	609	..	525	..	..	58·3	..	..	..	..	14·62	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaicher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 14th August 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2227	1591	5	31	114	6	68	25	346
WEST DISTRICTS -	359	263	-	5	6	1	3	3	66
NORTH DISTRICTS -	517	343	1	9	20	1	24	5	65
CENTRAL DISTRICTS -	189	186	-	6	17	-	11	6	31
EAST DISTRICTS -	484	345	1	6	40	2	19	5	65
SOUTH DISTRICTS -	678	454	3	5	31	2	11	6	119
WEST DISTRICTS.									
St. Mary Paddington *WH*	47	25	-	-	1	-	-	1	6
St. John Paddington H	11	11	-	-	-	-	-	-	-
Kensington Town *W* -	82	38	-	1	-	-	-	-	11
Brompton H - -	10	11	-	-	1	-	-	-	1
St. Peter Hammersmith	5	5	-	-	-	-	-	-	2
St. Paul Hammersmith	26	14	-	-	1	-	-	-	7
Fulham *W* - - -	12	15	-	-	1	1	-	-	6
Chelsea South H - -	17	11	-	-	-	-	-	-	2
Chelsea North-west H *Ww*	9	21	-	-	-	-	1	-	6
Chelsea North-east -	9	4	-	-	-	-	-	-	-
Hanover Square - -	7	6	-	-	-	-	-	-	-
May Fair *W* - -	4	2	-	-	-	-	-	-	-
Belgrave H - - -	31	26	-	4	-	-	-	-	7
St. John Westminster -	33	25	-	-	1	-	-	1	8
St. Margaret West. *WH*	17	23	-	-	1	-	-	1	5
St. James's Square -	5	3	-	-	-	-	-	-	-
Golden Square *W* -	13	7	-	-	-	-	-	-	1
Berwick-street - -	4	5	-	-	-	-	1	-	2
St. Anne Soho - -	17	11	-	-	-	-	1	-	2
NORTH DISTRICTS.									
All Souls Marylebone H	21	15	-	-	-	-	1	-	6
Cavendish Square - -	11	4	-	-	-	-	-	-	1
Rectory Marylebone *W*	22	18	-	1	-	-	1	-	2
St. Mary Marylebone -	12	7	-	-	-	-	-	-	-
Christchurch Marylebone	26	19	-	2	1	-	1	-	5
St. John Marylebone -	21	12	-	-	-	-	2	-	-
Hampstead *W* - -	15	7	-	-	-	1	-	-	1
Regent's Park Pancras -	28	10	-	-	2	-	-	-	1
Tottenham-court *wH* -	17	13	-	-	2	-	-	-	1
Gray's Inn Lane H -	21	6	-	-	1	-	-	1	2
Somers Town - -	25	11	-	1	-	-	1	-	2
Camden Town *W* -	20	15	-	-	-	-	-	-	2
Kentish Town - -	47	36	-	1	-	-	4	-	7
Islington West* *WHH*	81	54	-	3	2	-	3	2	14
Islington East *Ww* -	70	42	-	-	5	-	8	1	8
Stoke Newington - -	5	6	-	-	1	-	-	-	1
Stamford Hill - -	2	2	-	-	-	-	-	-	-
West Hackney - -	20	16	-	-	1	-	-	-	3
Hackney *WHw* - -	40	27	1	-	1	-	1	-	3
South Hackney L -	13	23	-	1	4	-	2	1	6
CENTRAL DISTRICTS.									
St. George Bloomsbury -	8	5	-	-	-	-	1	-	1
St. Giles South *W* -	12	14	-	-	-	-	3	1	3
St. Giles North - -	11	6	-	-	1	-	-	-	3
Long Acre - - -	9	4	-	-	-	-	-	1	1
Charing Cross *WH* -	4	9	-	-	2	-	-	-	-
St. Mary-le-Strand -	5	3	-	-	-	-	-	-	-
St. Clement Danes H -	2	5	-	-	-	-	-	-	-
‡St. George-the-Martyr H	4	13	-	-	5	-	1	-	2
St. Andrew, East Holb. *W*	2	14	-	-	-	-	1	1	4
Saffron Hill - - -	4	2	-	-	-	-	-	1	1
St. James Clerkenwell *W*	13	12	-	1	1	-	-	-	3
Amwell Clerkenwell -	4	4	-	-	-	-	1	-	-
Pentonville - - -	13	5	-	1	-	-	-	-	-
Goswell-street - -	15	11	-	-	1	-	2	-	2
Old-street - - -	12	3	-	-	-	-	-	-	1
City-road HL - -	21	8	-	1	1	-	-	-	3
Whitecross-street - -	6	9	-	-	2	-	-	-	3
Finsbury - - - -	6	3	-	-	1	-	-	-	1
St. Botolph East London	9	7	-	-	-	-	1	-	1
Cripplegate - - -	7	12	-	-	2	-	-	1	-
West London North *WH*	6	24	-	-	1	-	-	-	-
West London South -	8	7	-	3	-	-	-	1	-
London City South-west	3	1	-	-	-	-	-	-	-
London City North-west	1	1	-	-	-	-	-	-	-
London City South -	1	1	-	-	-	-	-	-	-
London City South-east	1	3	-	-	-	-	1	-	2
London City North-east	2	-	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	14	8	-	-	3	-	-	-	-
St. Leonard Shrdtch. L†	16	9	-	-	2	-	-	-	1
Hoxton New Town *w* -	22	17	-	-	1	-	-	-	2
Hoxton Old Town - -	18	12	-	1	1	-	1	-	3
Haggerstone West *W* -	16	14	-	-	2	-	-	-	3
Haggerstone East - -	23	11	-	1	3	-	-	-	2
Hackney-road - -	26	23	-	-	6	-	1	-	4
Green, Bthnl. Grn. *WHL*†	32	26	-	1	2	-	-	-	5
Church, Bethnal Green -	26	9	-	-	-	-	1	-	4
Town, Bethnal Green -	17	9	-	-	-	1	-	-	2
Artillery Whitechapel -	1	2	-	-	1	-	-	-	1
Spitalfields - - -	10	10	-	-	1	-	1	-	3
Mile End New Town *W*	9	8	-	-	2	-	-	-	-
Whitechapel North -	9	2	-	-	-	-	1	-	-
Whitechapel Church H	2	10	-	-	-	-	-	-	1
Goodman's Fields - -	8	7	-	1	-	-	-	-	2
Aldgate - - - -	6	3	-	-	1	-	1	-	-
St. Mary St. Geo. East -	18	10	-	-	2	-	2	-	2
St. Paul St. Geo. East -	18	11	-	-	-	-	1	1	4
St. John St. Geo. East *W*	16	11	-	1	-	-	-	1	1
Shadwell *W* - - -	7	3	-	-	-	-	-	-	1
Ratcliff *W* - - -	9	13	-	-	4	-	1	-	1
Limehouse *W* - -	23	9	-	-	-	-	1	-	1
Mile End Old Town, West	28	18	-	1	-	-	2	-	5
Mile End Old T., East *Ww*	42	26	1	-	1	1	1	1	8
Bow *ww*L† - - -	43	37	-	-	4	-	1	1	5
Poplar *W* - - -	25	27	-	-	4	-	4	1	4
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	9	-	-	-	-	-	-	4
St. Saviour Southwark H	4	6	-	-	-	-	-	-	1
St. Olave Southwark H	2	12	-	-	-	-	-	1	-
St. John Horsleydown *W*	4	6	-	2	2	-	1	-	1
St. James Bermondsey -	36	21	-	-	-	-	-	-	9
St. Mary Magdalen *W* -	7	7	-	-	-	-	-	-	1
Leather Market - -	14	9	-	-	3	1	1	-	2
Kent-road - -	7	17	1	-	3	-	2	-	7
Borough-road *W* - -	6	18	-	1	1	-	-	-	4
London-road L - -	13	14	-	-	1	-	-	-	2
Trinity Newington -	15	8	-	-	1	-	1	-	2
St. Peter Walworth *W*	30	19	-	-	1	-	-	-	6
St. Mary Newington H	13	14	-	1	-	-	-	-	1
Waterloo-road 1st -	11	5	-	-	-	-	-	-	4
Waterloo-road 2nd -	27	8	-	-	-	-	-	1	3
Lambeth Church 1st -	12	8	-	-	-	-	-	-	2
Lambeth Church 2nd *W*	30	23	-	-	-	-	1	1	5
Kennington 1st - -	26	12	-	1	-	-	-	-	1
Kennington 2nd - -	27	13	-	-	1	-	-	-	6
Brixton - - - -	18	8	2	-	1	-	-	-	2
Norwood *W* - - -	2	6	-	-	2	-	-	-	1
Clapham - - -	14	12	-	-	1	-	-	-	3
Battersea *Ww* - -	41	21	-	-	3	-	-	1	6
Wandsworth L - -	18	8	-	-	-	-	-	-	4
Putney - - - -	8	3	-	-	-	-	1	-	1
Streatham - - -	2	3	-	-	1	-	-	-	-
Dulwich - - - -	4	-	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	23	11	-	-	-	-	-	-	5
Peckham - - -	38	20	-	-	-	-	-	-	10
St. George Camberwell -	22	19	-	-	1	-	-	1	8
Rotherhithe *W* - -	13	15	-	-	3	-	1	-	2
St. Paul Deptford - -	53	30	-	-	-	1	1	1	9
St. Nicholas Deptford -	2	3	-	-	3	-	-	-	-
Greenwich West H -	21	9	-	-	1	-	-	-	1
Greenwich East *WH* -	17	16	-	-	-	-	-	-	1
Eltham - - - -	3	1	-	-	-	-	-	-	-
Lee - - - -	7	2	-	-	-	-	1	-	-
Lewisham Village *W* -	10	2	-	-	1	-	-	-	-
Sydenham - - -	14	7	-	-	-	-	-	-	-
Charlton H - - -	7	3	-	-	-	-	-	-	1
Woolwich Dockyard H	6	8	-	-	-	-	-	-	1
Woolwich Arsenal H -	19	8	-	-	-	-	-	-	-
Plumstead, West - -	7	5	-	-	-	-	1	-	2
Plumstead, East - -	16	5	-	-	1	-	-	-	1

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - " " Tottenham-court sub-district.
West London - - " " Islington East.
East London - - " " Hackney sub-district.
St. Luke Middlesex - " " Hoxton New Town sub-district.
London City - - " " Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - " " Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.

DEATHS in LONDON, from ALL CAUSES, Registered in the THIRTY-SECOND WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 13 1859	Aug 11 1860	Aug 10 1861	Aug 9 1862	Aug 8 1863	Aug 13 1864	Aug 12 1865	Aug 11 1866	Aug 10 1867	Aug 8 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 14, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	63°·9	56°·3	64°·4	59°·7	65°·0	61°·2	62°·0	57°·7	60°·1	69°·8	62°·0	Mean Temp. 58°·5						
	ALL CAUSES	1296	999	1172	1181	1402	1433	1374	2299	1274	1545	1397·5	1591	920	1039	166	187	155	44
	SPECIFIED CAUSES	1286	990	1157	1167	1382	1411	1358	2292	1260	1529	1383·2	1588	918	1037	166	187	154	44
	(CLASSES.)																		
I.	ZYMOTIC DISEASES	544	289	391	389	526	555	453	1294	357	593	539·1	693	581	631	17	21	17	7
II.	CONSTITUTIONAL „	246	209	241	213	249	241	270	308	279	280	253·6	278	83	109	89	60	19	1
III.	LOCAL „	312	330	355	375	331	384	405	437	422	435	383·6	415	145	170	49	100	84	12
IV.	DEVELOPMENTAL „	161	132	123	148	167	171	175	214	155	170	161·6	164	104	107	3	1	29	24
V.	VIOLENT DEATHS	23	30	47	42	59	60	55	39	47	51	45·3	38	5	20	8	5	5	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES	501	260	358	364	502	515	420	1260	331	551	506·2	651	545	595	15	18	16	7
	2. ENTHETIC „	7	6	7	5	5	10	13	8	4	9	7·4	6	5	5	..	1	..	..
	3. DIETIC „	26	22	20	18	15	25	16	18	15	28	20·3	27	22	22	2	2	1	..
	4. PARASITIC „	10	1	6	2	4	5	4	8	7	5	5·2	9	9	9	..	..	..	..
II.	1. DIATHETIC „	40	45	47	37	40	42	43	43	41	42	42·0	41	2	4	5	18	13	1
	2. TUBERCULAR „	206	164	194	176	209	199	227	265	238	238	211·6	237	81	105	84	42	6	..
III.	1. DISEASES OF NERVOUS SYSTEM	132	111	126	123	114	140	141	153	155	148	134·3	135	65	72	13	22	24	4
	2. „ OF ORGANS OF CIRCULATION	34	43	33	53	60	42	57	53	59	67	50·1	65	3	7	16	24	13	5
	3. „ OF RESPIRATORY ORGANS	67	85	111	121	105	100	116	121	116	111	105·3	116	60	65	7	19	24	1
	4. „ OF DIGESTIVE ORGANS	55	52	56	60	61	72	61	71	48	70	60·6	67	14	17	9	23	16	2
	5. „ OF URINARY ORGANS	15	19	21	11	24	19	18	24	35	20	20·6	20	1	4	3	7	6	..
	6. „ OF ORGANS OF GENERATION	2	7	4	1	5	4	7	7	3	8	4·8	4	..	..	..	4	..	..
	7. „ OF ORGANS OF LOCOMOTION	1	2	..	5	3	3	1	7	5	5	3·2	5	..	3	1	..	1	..
	8. „ OF INTEGUMENTARY SYSTEM	6	11	4	1	9	4	4	1	1	6	4·7	3	2	2	..	1	..	..
IV.	1. DEV. DISEASES OF CHILDREN	34	29	24	35	45	41	38	54	43	37	38·0	32	30	32	..	..	..	..
	2. „ OF ADULTS	5	5	5	6	7	5	9	3	6	1	5·2	3	..	..	3	..	..	..
	3. „ OF OLD PEOPLE	33	43	31	31	41	45	32	44	34	43	37·7	49	..	..	..	..	25	24
	4. DISEASES OF NUTRITION	89	55	63	76	74	80	96	113	72	89	80·7	80	74	75	..	1	4	..
V.	*1 ACCIDENT OR NEGLIGENCE	21	29	37	35	51	46	50	29	37	43	37·8	34	5	20	5	4	5	..
	3. HOMICIDE	..	..	3	2	1	7	..	3	4	3	2·3	..	..	..	..	..	..	..
	4. SUICIDE	2	1	7	5	7	7	5	7	6	5	5·2	4	..	..	3	1	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	3	3	3	5	4	3	8	2	1	..	3·2	1	..	..	..	..	1	..
	CAUSES NOT SPECIFIED	7	6	12	9	16	19	8	5	13	16	11·1	2	2	2	..	..	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 13 1859	Aug 11 1860	Aug 10 1861	Aug 9 1862	Aug 8 1863	Aug 13 1864	Aug 12 1865	Aug 11 1866	Aug 10 1867	Aug 8 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 14, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	63·9	56·3	64·4	59·7	65·0	61·2	62·0	57·7	60·1	69·8	62·0	58·5						
I.	ORDER 1.																		
	1. Small-pox	14	10	4	7	49	6	13	31	12	4	15·0	5	2	3	..	2	..	..
	2. Measles	15	39	18	55	17	72	14	40	13	36	31·9	31	30	31	..	..	..	..
	3. Scarlet Fever (Scarlatina)	49	37	22	72	115	46	47	31	20	50	48·9	114	80	113	1	..	..	..
	4. Diphtheria	18	5	11	9	15	8	7	6	5	8	9·2	6	5	6	..	..	..	..
	5. Quinsy	1	1	1	1	..	1	1	..	1	1	·8	1	..	1	..	..	..	..
	6. Croup	5	10	7	13	10	12	11	6	6	13	9·3	4	4	4	..	..	..	..
	7. Whooping-cough	15	22	43	27	22	37	40	37	32	39	31·4	68	66	68	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	39	22	43	55	49	60	59	48	32	53	46·0	10 12 3	2 4 ..	3 7 2	2 2 ..	3 1 1	2	.. .. ..
	9. Erysipelas	5	4	3	6	6	5	6	5	4	8	5·2	9	8	8	1	..	..	..
	10. Puerperal Fever (Metria)	1	6	4	1	3	5	2	3	2	5	3·2	4	..	..	4	..	..	..
	11. Carbuncle	1	..	..	2	..	..	4	1	2	1	1·1	1	..	..	..	..	1	..
	12. Influenza	..	1	..	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	13. Dysentery	9	4	5	1	1	5	1	3	..	3	3·2	3	2	2	..	..	1	..
	14. Diarrhœa	296	90	177	89	184	228	201	264	189	294	201·2	346	320	324	1	5	9	7
	15. Simple Cholera	22	3	13	18	15	22	11	781	13	29	92·7	27	22	22	1	3	1	..
	16. Ague	1	1	..	1	1	1	..	1	..	..	·6	..	..	..	..	..	..	..
	17. Remittent Fever	5	2	..	1	3	3	2	..	..	..	1·6	..	..	..	..	..	..	..
	18. Rheumatism	5	3	7	5	12	4	..	3	..	7	4·6	7	..	1	3	2	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	5	5	6	5	5	10	9	7	4	8	6·4	5	5	5	..	..	..	..
	2. Stricture of Urethra	2	1	1	..	..	..	3	1	..	1	·9	1	..	..	..	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	2	..	1	1	..	1	..	2	1	1	·9	..	..	..	..	..	..	..
	2. Want of Breast-milk	16	16	15	11	11	17	12	12	12	20	14·2	21	21	21	..	..	..	..
	3. Purpura and Scurvy	1	3	1	..	1	3	..	2	..	5	1·6	1	1	1	..	..	..	..
	4. Alcoholism (*a* Del. Tremens; *b* Intemperance)	6 1	3 ..	1 2	3 3	1 2	4 ..	4 ..	2 ..	1 1	2 ..	2·7 ·9	2 3	.. ..	.. ..	1 1	1 1	.. 1	.. ..
	ORDER 4.																		
	1. Thrush	9	1	6	1	4	5	4	8	7	5	5·0	8	8	8	..	..	..	..
	2. Worms, &c.	1	..	..	1	..	..	..	..	..	..	·2	1	1	1	..	..	..	..
II.	ORDER 1.																		
	1. Gout	3	..	4	..	1	1	2	2	2	6	2·1	1	..	..	..	1	..	..
	2. Dropsy	11	15	8	10	14	14	12	11	13	8	11·6	9	2	4	1	1	2	1
	3. Cancer	24	22	32	22	20	24	25	26	24	23	24·2	27	..	..	4	15	8	..
	4. Cancrum Oris (Noma)	..	..	..	2	..	2	..	..	..	1	·5	..	..	..	..	..	..	..
	5. Mortification	2	8	3	3	5	1	4	4	2	4	3·6	4	..	..	..	1	3	..
	ORDER 2.																		
	1. Scrofula	10	5	8	9	5	14	15	10	10	9	9·5	9	6	7	2	..	..	..
	2. Tabes Mesenterica	26	18	17	17	17	19	27	46	30	32	24·9	46	43	46	..	..	..	..
	3. Phthisis	144	111	143	124	153	146	156	187	177	174	151·5	162	12	32	82	42	6	..
	4. Hydrocephalus	26	30	26	26	34	20	29	22	21	23	25·7	20	20	20	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	13	7	12	14	14	10	19	19	15	16	13·9	18	11	14	2	2	..	..
	2. Apoplexy	35	30	29	35	24	33	31	28	26	23	29·4	31	3	5	5	10	9	2
	3. Paralysis	17	20	23	18	17	19	19	27	24	26	21·0	18	..	..	1	7	8	2
	4. Insanity	2	..	..	2	1	..	3	1	5	..	1·4	4	..	..	1	2	1	..
	5. Chorea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	6. Epilepsy	8	5	8	6	1	8	8	10	5	9	6·8	4	..	1	2	..	1	..
	7. Convulsions	34	35	37	31	40	48	45	52	60	61	44·3	50	50	50	..	..	..	..
	8. *Brain Disease, &c.*	23	14	17	17	17	22	16	16	20	13	17·5	10	1	2	2	1	5	..
	ORDER 2.																		
	1. Pericarditis	1	1	1	1	..	..	1	2	4	2	1·3	3	..	..	2	1	..	..
	2. Aneurism	1	6	1	3	1	2	2	..	7	..	2·3	3	..	..	2	1	..	..
	3. *Heart Disease, &c.*	32	36	31	49	59	40	54	51	48	65	46·5	59	3	7	12	22	13	5
	ORDER 3.																		
	1. Laryngitis	3	3	5	9	1	3	1	2	4	3	3·4	5	3	3	..	1	1	..
	2. Bronchitis	36	39	51	43	53	44	65	50	64	45	49·3	50	18	19	..	11	19	1
	3. Pleurisy	3	4	2	3	4	3	2	..	4	2	2·7	3	..	..	1	2	..	..
	4. Pneumonia	15	31	43	50	34	35	36	50	37	45	37·6	48	34	38	3	4	3	..
	5. Asthma	4	1	1	5	4	3	2	10	4	4	3·8	1	..	..	..	..	1	..
	6. *Lung Disease, &c.*	6	7	9	8	9	12	10	9	3	12	8·5	9	5	5	3	1	..	..
	ORDER 4.																		
	1. Gastritis	..	3	1	1	3	2	3	2	1	3	1·9	5	..	1	1	1	2	..
	2. Enteritis	6	4	7	4	5	13	7	7	5	14	7·2	13	9	9	..	1	2	1
	3. Peritonitis	10	6	4	7	7	7	3	1	2	6	5·3	5	1	2	2	1	..	..
	4. Ascites	1	1	3	..	1	1	1	4	3	3	1·8	5	..	1	2	2	..	..
	5. Ulceration of Intestines	4	1	4	2	4	7	1	3	1	3	3·0	2	1	1	1	..	..	..
	6. Hernia	3	1	..	6	2	5	1	4	4	4	3·0	2	..	..	..	2	..	..
	7. Ileus	..	3	2	..	3	1	2	4	4	..	1·9	6	1	1	1	2	2	..
	8. Intussusception	1	1	2	1	..	2	1	1	..	2	1·1	1	..	..	..	1	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

in the THIRTY-SECOND WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 13 1859	Aug 11 1860	Aug 10 1861	Aug 9 1862	Aug 8 1863	Aug 13 1864	Aug 12 1865	Aug 11 1866	Aug 10 1867	Aug 8 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 14, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	63°·9	56°·3	64°·4	59°·7	65°·0	61°·2	62°·0	57°·7	60°·1	69°·8	62°·0	Mean Temp. 58°·5						
	9. Stricture of Intestines	1	1	1	..	1	..	1	..	2	4	1·1	..	..	..	..	..	..	..
	10. Fistula	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	3	6	8	10	8	7	9	6	8	7	7·2	5	..	..	..	2	3	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	5	3	4	3	4	4	4	10	5	4	4·6	2	..	..	1	1	..	..
	14. Jaundice	6	4	7	7	7	7	8	4	4	5	5·9	3	2	2	..	1	..	..
	15. *Liver Disease, &c.*	15	18	13	18	16	15	20	24	9	13	16·1	18	..	..	1	9	7	1
	16. *Spleen Disease, &c.*	..	..	..	1	..	1	..	1	..	2	·5	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	1	..	2	1	1	2	..	..	·7	..	..	..	..	..	..	..
	2. Ischuria	..	..	..	..	2	..	..	2	1	..	·5	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	1	8	11	6	10	12	8	9	19	10	9·4	13	1	3	2	4	4	..
	4. Diabetes	2	2	..	..	1	..	1	..	1	..	·7	2	..	..	1	1	..	..
	5. Calculus (Stone)	1	2	..	..	..	..	1	1	..	2	·7	1	..	..	..	1	..	..
	6. Cystitis	2	..	2	..	..	1	1	1	..	..	·7	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	9	7	7	5	9	5	6	9	14	8	7·9	4	..	1	..	1	2	..
	ORDER 6.																		
	1 Ovarian Dropsy	2	4	1	1	1	..	2	1	1	1	1·4	2	..	..	..	2	..	..
	2. *Uterus Disease, &c.*	..	3	3	..	4	4	5	6	2	7	3·4	2	..	..	..	2	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	1	2	..	5	3	3	1	7	4	5	3·1	5	..	3	1	..	1	..
	ORDER 8.																		
	1. Phlegmon	3	5	2	..	2	2	1	..	1	6	2·2	2	2	2	..	..	..	..
	2. Ulcer	2	2	1	..	2	1	2	..	..	..	1·0	1	..	..	..	1	..	..
	3. *Skin Disease, &c.*	1	4	1	1	5	1	1	1	..	..	1·5	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	15	14	12	20	25	18	26	30	18	14	19·2	21	21	21	..	..	..	..
	2. Cyanosis	1	..	1	..	1	6	1	1	4	2	1·7	2	..	2	..	..	..	..
	3. Spina Bifida	1	..	..	..	1	2	..	2	2	1	·9	3	3	3	..	..	..	..
	4. Other Malformations	2	1	..	2	3	1	..	4	3	1	1·7	..	..	..	..	..	..	..
	5. Teething	15	14	11	13	15	14	11	17	16	19	14·5	6	6	6	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	2	..	..	..	·2	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	5	5	5	6	7	5	7	3	6	1	5·0	3	..	..	3	..	..	..
	ORDER 3.																		
	1. Old Age	33	43	31	31	41	45	32	44	34	43	37·7	49	..	..	..	..	25	24
	ORDER 4.																		
	1. Atrophy and Debility	89	55	63	76	74	80	96	113	72	89	80·7	80	74	75	..	1	4	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	7	14	14	16	21	25	19	12	12	19	15·9	14	1	4	4	2	4	..
	2. Wounds	1	..	..	1	..	..	..	..	..	1	·3	..	..	..	..	..	..	..
	3. Burns and Scalds	2	2	2	2	5	2	5	2	3	4	2·9	5	1	5	..	..	..	..
	4. Poison.	..	..	2	2	..	..	4	2	3	..	1·3	1	..	..	..	1	..	..
	5. Drowning	8	5	10	11	13	15	14	5	7	9	9·7	10	..	8	1	1	..	..
	6. Suffocation	2	7	8	2	9	2	7	6	5	3	5·1	3	3	3	..	..	..	..
	7. Otherwise	1	1	1	1	3	2	1	2	7	7	2·6	1	..	..	..	..	1	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	..	..	3	2	1	7	..	3	4	3	2·3	..	..	..	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	1	..	1	1	..	..	1	·4	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	..	4	..	1	..	2	2	2	..	1·1	1	..	..	1	..	..	..
	2. Poison.	1	..	1	..	1	..	..	2	2	2	·9	1	..	..	..	1	..	..
	3. Drowning	..	..	..	3	..	2	1	2	1	1	1·0	1	..	..	1	..	..	..
	4. Hanging	1	1	2	1	3	2	1	..	1	1	1·3	..	..	..	..	..	..	..
	5. Otherwise	..	..	..	..	2	2	..	1	..	..	·5	1	..	..	1	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	3	3	3	5	4	3	8	2	1	..	3·2	1	..	..	..	..	1	..
	Causes not specified or ill-defined	7	6	12	9	16	19	8	5	13	16	11·1	2	2	2	..	..	..	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when he result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture f the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 14th August 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
August.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday .	8	..	29·742	64·5	55·8	8·7	58·7	58·1	79·7	50·4	63·4	62·4	0·6	2·3	0·0	— 3·3	98	SW & WSW	WSW. & W.	1·9	0·0	0·2	327	0·23	3
Monday .	9	Perigee	29·439	73·9	60·0	13·9	64·2	54·8	112·3	57·8	63·4	61·4	9·4	18·9	2·5	+ 2·1	72	WSW. & W.	W., NW., & WNW.	7·2	0·1	0·7	440	0·02	1
Tuesday .	10	..	29·587	65·5	50·7	14·8	56·6	43·0	106·3	42·4	63·7	62·4	13·6	19·1	9·2	— 5·5	60	WNW. & NW.	NW.	10·1	0·0	1·0	497	0·02	2
Wednesday	11	In Equator	29·753	65·0	49·3	15·7	56·0	45·5	95·3	41·1	62·4	60·4	10·5	15·2	4·8	— 6·1	68	WNW. & N.W.	NW.	2·2	0·0	0·3	311	0·00	0
Thursday .	12	..	29·894	72·0	47·4	24·6	57·3	46·2	132·2	..	62·3	60·4	11·1	23·4	2·1	— 4·7	67	WNW & WSW	WSW & SW	2·6	0·0	0·1	241	0·00	2
Friday .	13	..	29·730	70·5	51·9	18·6	59·4	57·6	100·2	43·8	61·4	60·4	1·8	8·0	0·0	— 2·5	94	SSW. & SW.	SW. & NW.	2·4	0·0	0·3	316	0·39	5
Saturday .	14	First Quarter	29·959	68·0	52·6	15·4	57·3	51·0	116·4	42·1	61·4	59·7	6·3	11·9	0·0	— 4·4	80	W., WSW., & NW.	N.	1·0	0·0	0·1	203	0·07	0
Means . .		..	29·729	68·5	52·5	16·0	58·5	50·9	106·1	(6 days) 46·3	62·6	61·0	7·6	14·1	2·7	— 3·5	77	Variable.		..	..	..	Sum 2335	Sum 0·73	1·9
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. August.		Electricity.	Sky and Atmosphere.
Sunday .	8	No electricity was shown.	Overcast during the day; variable at night. Rain fell heavily during the early morning, and occasional showers also fell during the remainder of the day.
Monday .	9		Cloudy throughout the morning, and a little misty rain fell; partially cloudy and fine during the afternoon, overcast at night. A heavy shower of rain fell between 6h. 35m. P.M. and 6h. 55m. P.M.
Tuesday .	10	Very weak positive was shown at night.	Generally cloudy throughout the morning, and rain fell between noon and 1h. P.M.; variable amounts of cloud prevailed afterwards.
Wednesday	11	Weak positive was generally shown.	Generally cloudy. Thin rain fell during the afternoon.
Thursday .	12	Weak positive at night; no electricity at other times.	Cloudless, but hazy during the morning; variable amounts of cloud prevailed during the afternoon; again cloudless at night.
Friday .	13	No electricity was shown.	Generally overcast throughout the day; variable till about 9h. P.M.; afterwards cloudless, but hazy. Rain fell heavily between 5h. 30m. A.M. and 11h. 20m. A.M., and again between 3h. 40m. P.M. and 4h. P.M.
Saturday .	14	No electricity was shown.	Overcast, with slight exceptions, throughout the day; cloudless at night. Rain fell between 4h. 45m. A.M. and 5h. 50m. A.M.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·95 in. at the beginning of the week to 29·39 in. by 3h. P.M. on the 9th; increased to 29·92 in. by 9h. A.M. on the 12th; decreased to 29·70 in. by 3h. P.M. on the 13th; and increased to 30·06 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 33. 1869. Vol. XXX.] Week ending Saturday, August 21. [Price 1*d.*

General Register Office, Somerset House, 23d August 1869.

In the week that ended on Saturday, 21st August, 4428 births, and 3159 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 25 per 1000 persons living.

The annual rate of mortality last week was 25 per 1000 in London, 28 in Edinburgh, and 18 in Dublin; 28 in Bristol, 19 in Birmingham, 31 in Liverpool, 29 in Manchester, 29 in Salford, 25 in Sheffield, 25 in Bradford, 27 in Leeds, 24 in Hull, 25 in Newcastle-upon-Tyne, and 23 in Glasgow.

The deaths referred to diarrhœa in the eleven large English towns, including London, which in the two previous weeks had been 741 and 706, declined last week to 552, showing an average annual death-rate for the week of 5 per 1000 persons estimated to be living in those towns. The annual death-rate from this disease in the several towns varied from 3 per 1000 in Newcastle-upon-Tyne and Bristol to 9 per 1000 in both Salford and Liverpool. The deaths from diarrhœa showed a decline last week in each of the towns except Bristol.

In Paris the annual rate of mortality in the week ending last Saturday (21st August) was 22 per 1000. The rate in Berlin during the seven days ending 19th instant was 35 per 1000, and in Vienna 28 per 1000 during the week ending 14th instant. The mortality from diarrhœa in Paris continues remarkably low, and the death-rate from that disease in Berlin and Vienna in the above-mentioned weeks had declined to 9 and 5 per 1000 respectively.

In London the births of 1065 boys and 1069 girls, in all 2134 children, were registered last week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2042.

The deaths registered in London during the week were 1527. It was the thirty-third week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1464. The deaths in the present return exceed by 63 the estimated amount.

The deaths from zymotic diseases were 595, the corrected average number being 535. Five deaths from small-pox, 21 from measles, 132 from scarlet fever, 5 from diphtheria, 60 from whooping-cough, 13 from typhus fever, 17 from enteric fever, and 5 from simple continued fever were registered.

Diarrhœa proved fatal to 248 children and 16 adults. In the five preceding weeks the total numbers were 102, 253, 384, 394 and 346.

The deaths of 14 children from simple cholera or choleraic diarrhœa, and of 3 adults from choleraic diarrhœa were recorded.

St. George Hanover-square; *Belgrave.*—At 1 Gray's-inn-place, on 18th August, a brass finisher, aged 46 years, "choleraic diarrhœa (16 hours)."

Islington; *West.*—At 74 William-street, on 20th August, a book-keeper, aged 74 years, "choleraic diarrhœa (4 days)."

Newington; *St. Peter Walworth.*—At 22 Richmond-street, on 14th August, a railway porter, aged 77 years, "choleraic diarrhœa."

The mortality from scarlet fever continues to increase. Eight cases were registered last week in the West districts, 21 in the North, 26 in the Central, 50 in the East, and 27 in the South districts. The registrar of the sub-district of St. Mary, St. George-in-the-East, reports, in reference to the deaths of 2 children from scarlet fever in St. George's Court, "complaint is made of the internal condition of the houses. The court contains a large population; the air is blocked out by a very narrow entry." The registrar of the sub-district of East Plumstead also states, "Three deaths from scarlet fever in Orchard-road have been registered in 8 days. Two of the children who died attended a school at which bad drainage has been recently reported."

No deaths caused by injuries from horses or vehicles in the streets were registered.

A soap-maker, aged 25 years, died on 7th August in the Shoreditch Workhouse, from "diarrhœa and exhaustion, accelerated by want and exposure." (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 30·163 in. The barometrical reading increased from 30·06 in. at the beginning of the week to 30·22 in. on Tuesday, 17th August. The mean temperature of the air in the week was 58·7°, which is 2·3° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 75·1° on Saturday, 21st August. The lowest night temperature was 46·2° on Wednesday, 18th August. The entire range of temperature in the week was, therefore, 28·9°. The mean of the highest temperatures of the water of the Thames was 61·3°; that of the lowest was 59·8°. The difference between the mean dew-point temperature and air temperature was 8·3°. The mean degree of humidity of the air was 74, complete saturation being represented by 100. Rain fell to the amount of 0·01 in. on Monday, 16th August. The general direction of the wind was variable.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 170,184 cubic metres, and at Barking 145,412 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Thirty-third Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1781	1685	1699	1648	1909	1951	1973	1871	1997	2054	1856·8	2134
Males . .	917	829	889	826	979	1048	954	944	1017	1037	944·0	1065
Females . .	864	856	810	822	930	903	1019	927	980	1017	912·8	1069
Total Deaths	1188	1029	1257	1228	1320	1451	1182	1799	1391	1462	1330·7	1527
Males . .	614	515	642	625	704	724	612	946	698	741	682·1	764
Females . .	574	514	615	603	616	727	570	853	693	721	648·6	763

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	May 29.	June 5.	June 12.	June 19.	June 26.	July 3.	July 10.	July 17.	July 24.	July 31.	Aug. 7.	Aug. 14.	Aug. 21.
Deaths - - - - -	1276	1355	1305	1236	1381	1231	1279	1313	1600	1646	1630	1591	1527
Deaths under 5 years of age -	517	532	553	549	590	528	541	652	897	967	972	920	810
Deaths under 20 years of age	613	637	661	652	693	642	660	758	1010	1080	1100	1039	916
Deaths 20—40 - - -	184	196	194	170	204	172	194	150	161	181	159	166	184
Deaths 40–60 - - -	202	258	212	196	227	196	205	204	184	204	163	187	201
Deaths at 60 years of age and upwards - - -	277	264	238	218	257	221	220	201	245	181	208	199	226
Deaths from Smallpox - -	8	3	8	3	1	4	4	2	5	4	2	5	5
„ „ Measles - -	23	24	28	28	23	22	29	25	23	33	25	31	21
„ „ Scarlet Fever -	45	62	54	60	65	75	85	77	75	88	100	114	132
„ „ Diphtheria -	6	3	3	6	6	4	6	4	4	3	8	6	5
„ „ Whooping-cough	92	89	96	93	76	90	69	77	67	67	65	68	60
„ „ Typhus fever -	16	15	12	10	10	12	12	14	8	18	6	10	13
„ „ Enteric fever -	19	15	18	19	18	14	18	17	21	16	22	12	17
„ „ Simple Cont^{d} fever	5	6	9	9	10	14	12	11	14	10	10	3	5
„ „ Diarrhœa - -	5	22	11	17	28	20	30	102	253	384	394	346	264
„ „ Phthisis - -	171	200	166	171	197	174	144	163	166	176	156	162	172
„ „ Bronchitis - -	104	115	97	99	108	85	92	80	64	48	65	50	54
„ „ Pneumonia -	75	62	74	59	64	61	52	52	76	46	40	48	55
„ „ Heart Disease -	60	61	65	62	90	45	57	55	55	49	40	59	49
Mean Temperature of the Air	51°·7	53°·3	59°·0	51°·3	54°·3	56°·9	61°·2	66°·9	66°·0	64°·0	59°·8	58°·5	58°·7
Mean Temperature of the Water of the Thames -	53·7	53·5	57·3	56·1	56·1	58·9	62·0	64·4	67·4	66·5	64·0	61·8	60·5
Humidity of the Air - -	79	82	73	80	83	73	73	72	76	77	77	77	74
Rain-fall in inches - -	1·12	0·10	0·00	0·84	0·20	0·00	0·00	0·14	0·00	0·41	0·47	0·73	0·01

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 21st day of August 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 21st Aug.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 21st Aug.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4428**	**3244**	**3159**	**75·1**	**37·7**	**58·0**	**0·03**	**3**	**23·95**	**3·17**	**14·44**	**8**
London (Metropolis)	3,170,754	40·7	2070	2134	1462	1527	75·1	46·2	58·7	0·01	1	23·95	7·89	14·83	3
Bristol (City)	169,423	36·1	109	141	76	91 *	73·1	41·4	57·8	0·01	1	22·84	5·22	14·34	3
Birmingham (Borough)	360,846	46·1	283	277	175	133	74·7	46·1	58·6	0·00	0	23·72	7·84	14·78	0
Liverpool (Borough)	509,052	99·7	345	333	295	303	68·0	52·2	58·1	0·05	5	20·00	11·22	14·50	13
Manchester (City)	370,892	82·7	277	255	210	203 *	..	..	..	..	..	..	..	..	..
Salford (Borough)	119,350	23·1	89	105	60	67	73·5	44·9	57·6	0·05	5	23·06	7·17	14·23	13
Sheffield (Borough)	239,752	10·5	196	162	126	113	73·8	47·0	58·9	0·00	0	23·23	8·33	14·94	0
Bradford (Borough)	138,522	21·0	105	109	71	66	69·5	49·0	57·9	0·00	0	20·84	9·44	14·39	0
Leeds (Borough)	253,110	11·7	189	152	129	132	72·0	50·0	58·7	0·02	2	22·22	10·00	14·83	5
Hull (Borough)	126,682	35·6	83	111	59	58	75·0	38·0	55·8	0·03	3	23·89	3·33	13·23	8
Newcastle-on-Tyne (Borough)	130,503	24·5	90	74	69	62	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	105	86	94	74·7	43·0	58·1	0·10	10	23·72	6·11	14·50	25
Glasgow (City)	458,937	90·6	374	312	268	201	71·1	37·7	57·3	0·01	1	21·73	3·17	14·06	3
Dublin (City and some suburbs)	320,762	32·9	219	158	158	109	74·5	38·3	57·9	0·02	2	23·61	3·50	14·39	5
Paris (City)	1,889,842	..	..	..	..	814	..	..	..	..	..	..	..	..	..
				Week ending 14th Aug. 1869.		Week ending 14th Aug. 1869.	Week ending 14th August 1869.					Week ending 14th August 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	295	..	..	60·1	..	..	..	..	15·62	..
				Week ending 19th Aug. 1869.		Week ending 19th Aug. 1869.	Week ending 19th August 1869.					Week ending 19th August 1869.			
Berlin (City)	(1867) 702,437	..	..	584	..	478	..	..	62·2	..	..	..	..	16·75	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 21st August, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2134	1527	5	21	132	5	60	35	264
WEST DISTRICTS -	332	210	-	2	8	-	8	5	40
NORTH DISTRICTS -	465	306	2	4	21	3	14	10	56
CENTRAL DISTRICTS	218	193	-	3	26	-	8	4	29
EAST DISTRICTS -	440	353	-	8	50	-	17	9	49
SOUTH DISTRICTS -	679	465	3	4	27	2	13	7	90
WEST DISTRICTS.									
St. Mary Paddington *WH*	29	18	-	-	2	-	-	-	3
St. John Paddington H	15	10	-	-	-	-	-	-	1
Kensington Town *W* -	47	35	-	-	-	-	2	3	6
Brompton H - -	18	10	-	-	-	-	-	-	4
St. Peter Hammersmith	7	4	-	-	-	-	1	-	-
St. Paul Hammersmith	18	15	-	-	1	-	-	-	1
Fulham *W* - - -	17	13	-	-	1	-	-	1	6
Chelsea South H - -	19	15	-	-	-	-	-	-	1
ChelseaNorth-west H*Ww*	15	11	-	-	-	-	2	-	2
Chelsea North-east -	15	7	-	-	-	-	1	-	1
Hanover Square - -	9	4	-	-	-	-	-	-	1
May Fair *W* - -	7	7	-	-	-	-	-	-	-
Belgrave H - - -	35	24	-	1	-	-	2	-	4
St. John Westminster -	33	8	-	-	-	-	-	-	4
St. Margaret West. *WH*	18	11	-	1	1	-	-	1	1
St. James's Square -	4	2	-	-	1	-	-	-	-
Golden Square *W* -	9	2	-	-	-	-	-	-	-
Berwick-street - -	6	8	-	-	-	-	-	-	3
St. Anne Soho - -	11	6	-	-	2	-	-	-	2
NORTH DISTRICTS.									
All Souls Marylebone H	21	16	-	-	-	-	-	-	1
Cavendish Square - -	6	2	-	-	1	-	-	-	-
Rectory Marylebone *W*	13	22	-	-	1	-	-	-	4
St. Mary Marylebone -	10	7	-	-	-	-	-	1	1
Christchurch Marylebone	24	16	-	1	-	1	1	-	4
St. John Marylebone -	13	8	-	1	-	-	1	-	1
Hampstead *W* - -	13	14	-	-	2	-	1	-	1
Regent's Park Pancras -	34	10	-	-	2	-	-	-	4
Tottenham-court *w*H -	20	18	-	-	1	-	1	-	2
Gray's Inn Lane H -	8	13	-	1	2	-	-	-	3
Somers Town - -	22	14	-	-	-	-	1	-	6
Camden Town *W* -	16	13	-	-	1	-	-	-	1
Kentish Town - -	46	30	-	-	-	-	2	1	6
Islington West* *WHH*	67	41	2	-	2	2	1	6	3
Islington East *Ww* -	75	36	-	-	2	-	6	-	8
Stoke Newington - -	7	6	-	-	2	-	-	-	3
Stamford Hill - -	3	-	-	-	-	-	-	-	-
West Hackney - -	24	7	-	-	1	-	-	-	3
Hackney *WHw* - -	25	21	-	1	1	-	-	1	3
South Hackney L -	18	12	-	-	3	-	-	1	2
CENTRAL DISTRICTS.									
St. George Bloomsbury -	13	4	-	-	-	-	-	-	1
St. Giles South *W* -	13	15	-	-	1	-	1	1	4
St. Giles North - -	6	7	-	1	1	-	1	-	1
Long Acre - - -	15	2	-	-	1	-	-	1	-
Charing Cross *WH* -	5	15	-	-	1	-	-	-	-
St. Mary-le Strand -	1	4	-	-	-	-	-	-	1
St. Clement Danes H -	3	10	-	-	-	-	2	-	1
‡St. George-the-Martyr H	8	12	-	-	-	-	-	-	5
St. Andrew, East Holb. *W*	10	9	-	-	-	-	-	-	3
Saffron Hill - - -	3	4	-	-	1	-	-	-	-
St. James Clerkenwell *W*	8	7	-	-	-	-	-	-	1
Amwell Clerkenwell -	12	4	-	-	-	-	-	-	1
Pentonville - - -	9	4	-	-	1	-	-	-	2
Goswell-street - -	3	7	-	1	-	-	-	-	1
Old-street - - -	8	9	-	-	3	-	1	-	2
City-road HL - -	24	17	-	1	6	-	-	-	-
Whitecross street - -	9	8	-	-	4	-	1	-	-
Finsbury - - -	9	1	-	-	1	-	-	-	-
St. Botolph East London	18	15	-	-	2	-	-	-	1
Cripplegate - - -	11	4	-	-	1	-	1	-	1
West London North *WH*	5	16	-	-	-	-	1	-	1
West London South -	7	8	-	-	1	-	-	1	2
London City South-west	-	-	-	-	-	-	-	-	-
London City North-west	2	1	-	-	-	-	-	-	-
London City South -	2	4	-	-	1	-	-	1	-
London City South-east	4	4	-	-	-	-	-	-	-
London City North-east	4	2	-	-	1	-	-	-	1

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	4	6	-	-	5	-	-	-	-
St. Leonard Shrdtch. L†	10	12	-	-	1	-	-	-	3
Hoxton New Town *w* -	26	11	-	-	-	-	-	1	1
Hoxton Old Town - -	26	11	-	-	2	-	-	-	5
Haggerstone West *W* -	14	14	-	-	1	-	-	-	2
Haggerstone East - -	13	12	-	-	2	-	1	-	-
Hackney road - -	15	12	-	-	-	-	1	1	1
Green, Bthnl.Grn. *W*HL†	27	34	-	-	4	-	-	-	2
Church, Bethnal Green	22	10	-	-	2	-	1	-	3
Town, Bethnal Green -	22	15	-	-	3	-	1	1	2
Artillery Whitechapel -	3	3	-	-	-	-	-	-	-
Spitalfields - - -	7	11	-	-	1	-	1	-	2
Mile End New Town *W*	8	10	-	-	3	-	-	-	2
Whitechapel North -	4	2	-	-	-	-	-	-	-
Whitechapel Church H	3	14	-	1	-	-	-	-	1
Goodman's Fields - -	4	8	-	-	-	-	-	-	1
Aldgate - - - -	6	6	-	2	1	-	2	-	1
St. Mary St. Geo. East -	12	8	-	-	3	-	1	-	1
St. Paul St. Geo. East -	16	16	-	-	3	-	1	-	4
St. John St. Geo. East *W*	12	9	-	-	1	-	-	-	1
Shadwell *W* - - -	5	4	-	-	-	-	1	-	-
Ratcliff *W* - - -	11	7	-	-	1	-	2	-	2
Limehouse *W* - -	25	17	-	3	-	-	-	1	2
Mile End Old Town, West	30	15	-	-	1	-	3	-	1
Mile End Old T., East *Ww*	36	33	-	2	7	-	-	2	4
Bow *ww*L† - - -	40	30	-	-	3	-	1	1	4
Poplar *W* - - -	39	23	-	-	6	-	1	2	4
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	12	-	1	-	-	-	-	4
St. Saviour Southwark H	15	3	-	-	-	-	-	-	-
St. Olave Southwark H	1	9	-	-	-	-	-	-	-
St. John Horsleydown *W*	7	5	-	-	1	-	-	-	1
St. James Bermondsey -	44	13	-	-	1	-	1	1	1
St. Mary Magdalen *W*	13	6	1	-	-	-	1	-	-
Leather Market - -	14	8	-	-	2	-	-	-	1
Kent-road - - -	7	12	1	-	2	-	-	-	3
Borough-road *W* -	8	16	-	-	-	-	-	-	-
London-road L - -	15	10	-	-	-	-	-	-	2
Trinity Newington -	15	9	-	-	-	-	-	-	1
St. Peter Walworth *W*	42	36	-	2	1	-	2	1	5
St. Mary Newington H -	8	13	-	-	1	-	-	-	-
Waterloo-road 1st - -	12	5	-	-	-	-	1	-	1
Waterloo-road 2nd -	18	9	-	-	1	-	1	-	3
Lambeth Church 1st -	13	5	-	-	-	1	-	-	1
Lambeth Church 2nd *W*	33	27	-	1	2	-	-	1	5
Kennington 1st - -	28	16	-	-	-	1	1	-	1
Kennington 2nd - -	22	7	-	-	-	-	-	-	3
Brixton - - - -	27	7	-	-	-	-	-	-	3
Norwood *W* - - -	5	4	-	-	2	-	-	1	-
Clapham - - - -	12	8	-	-	-	-	-	1	3
Battersea *Ww* - -	43	31	1	-	1	-	1	-	11
Wandsworth L - -	12	10	-	-	1	-	-	-	3
Putney - - - -	13	2	-	-	-	-	-	-	1
Streatham - - -	6	2	-	-	-	-	-	-	-
Dulwich - - -	-	-	-	-	-	-	-	-	-
Camberwell *W*L†L† -	22	18	-	-	-	-	-	-	1
Peckham - - -	26	27	-	-	-	-	2	-	10
St. George Camberwell -	27	16	-	-	3	-	1	-	1
Rotherhithe *W* - -	14	15	-	-	4	-	1	-	2
St. Paul Deptford - -	33	25	-	-	-	-	1	2	7
St. Nicholas Deptford -	6	5	-	-	2	-	-	-	2
Greenwich West H -	13	14	-	-	-	-	-	-	2
Greenwich East *WH* -	13	15	-	-	-	-	-	-	-
Eltham - - - -	-	-	-	-	-	-	-	-	-
Lee - - - -	8	6	-	-	-	-	-	-	3
Lewisham Village *W* -	9	6	-	-	-	-	-	-	2
Sydenham - - -	10	4	-	-	1	-	-	-	-
Charlton H - - -	4	5	-	-	-	-	-	-	-
Woolwich Dockyard H	19	2	-	-	-	-	-	-	1
Woolwich Arsenal H -	17	6	-	-	-	-	-	-	3
Plumstead, West - -	6	7	-	-	-	-	-	-	2
Plumstead, East - -	15	9	-	-	2	-	-	-	1

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.

DEATHS in LONDON, from ALL CAUSES, Registered in the THIRTY-THIRD WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 20 1859	Aug 18 1860	Aug 17 1861	Aug 16 1862	Aug 15 1863	Aug 20 1864	Aug 19 1865	Aug 18 1866	Aug 17 1867	Aug 15 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 21, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	63°·9	57°·8	65°·3	58° 7	65°·1	59°·6	60°·0	58°·0	66°·1	64°·3	61°·9	Mean Temp. 58°·7						
	ALL CAUSES . . .	1188	1029	1257	1228	1320	1451	1182	1799	1391	1462	1330·7	1527	810	916	184	201	193	33
	SPECIFIED CAUSES .	1181	1024	1242	1220	1293	1444	1137	1794	1374	1438	1314·7	1526	809	915	184	201	193	33
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	473	272	446	403	558	554	325	888	423	518	486·0	595	471	528	26	18	19	4
II.	CONSTITUTIONAL „ .	229	240	240	245	220	277	262	261	292	263	252·9	294	68	92	101	64	36	1
III.	LOCAL „ .	286	374	360	375	320	386	351	416	436	414	371·8	442	146	170	45	111	105	11
IV.	DEVELOPMENTAL „ .	159	107	140	141	153	174	148	184	190	180	157·6	168	113	113	3	2	33	17
V.	VIOLENT DEATHS . .	34	31	56	56	42	53	51	45	33	63	46·4	27	11	12	9	6	..	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	444	251	409	368	533	522	288	866	399	477	455·7	571	457	513	21	15	18	4
	2. ENTHETIC „ . .	3	5	8	7	7	5	12	7	4	10	6·8	11	6	6	2	2	1	..
	3. DIETIC „ . .	22	15	22	25	12	22	17	12	11	21	17·9	8	3	4	3	1	..	..
	4. PARASITIC „ . . .	4	1	7	3	6	5	8	3	9	10	5·6	5	5	5	..	..	..	..
II.	1. DIATHETIC „ . .	45	50	50	57	40	53	47	47	48	41	47·8	54	1	1	6	21	25	1
	2. TUBERCULAR „ . .	184	190	190	188	180	224	215	214	244	222	205·1	240	67	91	95	43	11	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	112	122	137	140	97	135	100	140	161	144	128·8	141	55	60	12	31	36	2
	2. „ OF ORGANS OF CIRCULATION .	38	43	39	45	43	50	55	59	60	57	48·9	54	..	2	13	22	15	2
	3. „ OF RESPIRATORY ORGANS . .	66	123	101	107	101	100	99	126	108	99	103·0	133	69	79	7	19	25	3
	4. „ OF DIGESTIVE ORGANS . .	50	63	58	54	52	76	66	68	63	71	62·1	73	20	23	7	23	18	2
	5. „ OF URINARY ORGANS . . .	8	13	13	21	16	17	22	12	22	24	16·8	22	..	2	2	9	8	1
	6. „ OF ORGANS OF GENERATION .	3	..	4	3	3	2	1	3	9	3	3·1	7	..	..	3	4	..	..
	7. „ OF ORGANS OF LOCOMOTION .	1	..	4	1	5	3	1	6	11	10	4·2	8	1	3	..	2	3	..
	8. „ OF INTEGUMENTARY SYSTEM .	8	10	4	4	3	3	7	2	2	6	4·9	4	1	1	1	1	..	1
IV.	1. DEV. DISEASES OF CHILDREN	39	25	34	36	32	28	32	39	38	45	34·8	46	46	46	..	..	..	..
	2. „ OF ADULTS . .	5	5	5	4	4	5	7	6	9	6	5·6	3	..	..	3	..	..	..
	3. „ OF OLD PEOPLE	47	28	43	30	44	47	42	37	54	37	40·9	43	..	..	..	..	26	17
	4. DISEASES OF NUTRITION .	68	49	58	71	73	94	67	102	89	92	76·3	76	67	67	..	2	7	..
V.	1. ACCIDENT OR NEGLIGENCE .	28	20	47	49	34	44	43	41	28	48	38·2	25	10	11	9	5	..	..
*	3. HOMICIDE	1	6	3	3	3	4	2	2	1	1	2·6	1	1	1	..	..	..	..
	4. SUICIDE	5	5	6	4	5	5	6	1	3	14	5·4	1	..	..	..	1	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	1	1	..	·2	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	3	1	8	5	2	6	..	..	..	1	2·6	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	4	4	7	3	25	1	45	5	17	23	13·4	1	1	1	..	..	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 20 1859	Aug 18 1860	Aug 17 1861	Aug 16 1862	Aug 15 1863	Aug 20 1864	Aug 19 1865	Aug 18 1866	Aug 17 1867	Aug 15 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 21, 1869. Deaths of Persons of the Ages: ALL AGES. Mean Temp.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	63·9	57·8	65·3	58·7	65·1	59·6	60·0	58·0	66·1	64·3	61·9	58·7						
I.	ORDER 1.																		
	1. Small-pox	20	7	5	5	45	15	19	32	17	2	16·7	5	2	2	2	1	..	..
	2. Measles	14	45	14	61	18	51	7	33	14	25	28·2	21	20	21	..	..	..	..
	3. Scarlet Fever (Scarlatina)	51	37	42	58	118	38	29	37	35	54	49·9	132	91	130	2	..	..	..
	4. Diphtheria	17	6	15	8	22	9	6	5	8	12	10·8	5	4	4	..	1	..	..
	5. Quinsy	..	..	1	..	2	2	..	2	..	..	·7	1	..	..	..	1	..	..
	6. Croup	8	8	20	13	15	23	13	10	13	5	12·8	13	13	13	..	..	..	..
	7. Whooping-cough	23	21	45	19	23	36	26	38	23	29	28·3	60	58	60	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	37	21	34	60	53	71	44	41	46	46	45·3	13 17 5	1 5 ..	2 8 2	5 3 1	3 2 2	3 4 ..	.. .. ..
	9. Erysipelas	2	2	3	2	6	7	2	7	10	12	5·3	5	3	3	..	..	2	..
	10. Puerperal Fever (Metria)	..	1	..	2	3	4	5	2	6	5	2·8	3	..	..	3	..	..	..
	11. Carbuncle	2	1	2	..	1	..	2	2	1	1	1·2	1	..	..	..	1	..	..
	12. Influenza	1	1	..	..	1	1	..	..	1	..	·5	..	..	..	..	..	..	..
	13. Dysentery	14	1	3	1	5	1	1	2	5	2	3·5	..	..	..	..	..	..	..
	14. Diarrhœa	240	87	208	116	195	242	116	194	200	245	184·3	264	248	249	2	2	7	4
	15. Simple Cholera	10	6	15	12	14	13	12	455	15	29	58·1	17	12	14	..	1	2	..
	16. Ague	1	..	..	..	..	..	1	..	..	..	·2	..	..	..	..	..	..	..
	17. Remittent fever	2	2	1	3	1	3	..	..	..	1	1·3	..	..	..	..	..	..	..
	18. Rheumatism	2	5	1	8	11	6	5	6	5	9	5·8	8	..	5	3	..	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
	ORDER 2.																		
	1. Syphilis	3	4	8	7	6	5	12	6	3	9	6·3	7	6	6	1	..	..	..
	2. Stricture of Urethra	..	1	..	..	1	..	..	..	1	1	·4	4	..	..	1	2	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	..	..	2	..	2	..	..	..	2	·7	..	..	..	..	..	..	..
	2. Want of Breast-milk	14	5	11	20	9	16	9	11	7	14	11·6	3	3	3	..	..	..	..
	3. Purpura and Scurvy	..	2	2	1	..	..	1	1	1	..	·8	..	..	..	..	..	..	..
	4. Alcoholism (*a* Del. Tremens)	2	3	7	1	2	3	6	..	3	3	3·0	4	..	..	3	1	..	..
	4. Alcoholism (*b* Intemperance)	5	5	2	1	1	1	1	..	..	2	1·8	1	..	1	..	..	..	..
	ORDER 4.																		
	1. Thrush	4	1	7	3	6	5	8	3	9	10	5·6	5	5	5	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	..	..	2	2	1	1	3	1	4	1	1·5	7	..	..	..	4	3	..
	2. Dropsy	17	13	15	16	13	16	13	10	13	10	13·6	10	..	..	..	4	6	..
	3. Cancer	25	32	31	37	24	31	27	30	26	28	29·1	34	..	..	6	13	15	..
	4. Cancrum Oris (Noma)	..	..	1	..	..	..	..	..	1	..	·2	1	1	1	..	..	..	..
	5. Mortification	3	5	1	2	2	5	4	6	4	2	3·4	2	..	..	..	..	1	1
	ORDER 2.																		
	1. Scrofula	3	12	7	11	12	9	9	7	8	9	8·7	7	4	7	..	..	..	..
	2. Tabes Mesenterica	23	16	21	23	24	34	29	26	44	35	27·5	32	29	31	1	..	..	..
	3. Phthisis	140	135	131	128	115	162	144	161	157	164	143·7	172	10	24	94	43	11	..
	4. Hydrocephalus	18	27	31	26	29	19	33	20	35	14	25·2	29	24	29	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	12	12	13	8	10	11	8	22	16	22	13·4	17	15	16	1	..	..	..
	2. Apoplexy	28	26	36	34	17	32	26	29	37	34	29·9	39	2	3	3	19	14	..
	3. Paralysis	16	21	22	25	19	25	16	28	25	22	21·9	22	..	1	2	3	14	2
	4. Insanity	1	..	1	2	..	..	3	..	5	4	1·6	3	..	..	1	1	1	..
	5. Chorea	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	6. Epilepsy	4	5	6	7	4	6	8	4	7	6	5·7	6	..	..	1	3	2	..
	7. Convulsions	32	45	46	47	34	44	23	42	55	35	40·3	38	37	38	..	..	..	..
	8. *Brain Disease, &c.*	19	13	13	17	13	17	16	15	16	20	15·9	16	1	2	4	5	5	..
	ORDER 2.																		
	1. Pericarditis	3	6	2	..	4	1	1	2	1	3	2·3	3	..	..	3	..	..	..
	2. Aneurism	1	2	..	1	..	2	2	1	2	3	1·4	2	..	..	..	2	..	..
	3. *Heart Disease, &c.*	34	35	37	44	39	47	52	56	57	51	45·2	49	..	2	10	20	15	2
	ORDER 3.																		
	1. Laryngitis	1	6	6	1	4	6	2	5	2	2	3·5	4	4	4	..	..	..	..
	2. Bronchitis	28	54	47	41	45	45	41	54	55	39	45·2	54	25	27	2	6	16	3
	3. Pleurisy	2	3	..	1	3	3	1	2	..	2	1·7	4	1	1	1	1	1	..
	4. Pneumonia	25	51	37	45	36	37	39	55	37	41	40·3	55	35	42	3	6	4	..
	5. Asthma	7	5	5	4	6	1	3	3	4	3	4·1	5	..	..	..	2	3	..
	6. *Lung Disease, &c.*	3	4	6	12	7	8	13	7	10	12	8·2	11	4	5	1	4	1	..
	ORDER 4.																		
	1. Gastritis	2	2	1	1	1	4	3	3	2	1	2·0	2	2	2	..	..	..	..
	2. Enteritis	8	8	11	3	6	9	5	6	6	6	6·8	12	8	9	1	..	2	..
	3. Peritonitis	3	3	6	10	2	7	6	5	6	7	5·5	3	..	..	2	1	..	..
	4. Ascites	3	3	1	1	5	..	2	5	1	1	2·2	3	..	..	..	1	2	..
	5. Ulceration of Intestines	1	2	3	2	..	5	3	3	1	3	2·3	1	..	..	1	..	..	..
	6. Hernia	2	1	2	8	..	..	5	3	6	5	3·2	4	..	..	1	2	1	..
	7. Ileus	3	5	5	3	4	5	3	2	1	3	3·4	1	..	..	..	1	..	..
	8. Intussusception	3	..	1	2	..	3	..	3	1	..	1·3	2	2	2	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

in the THIRTY-THIRD WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 20 1859	Aug 18 1860	Aug 17 1861	Aug 16 1862	Aug 15 1863	Aug 20 1864	Aug 19 1865	Aug 18 1866	Aug 17 1867	Aug 15 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 21, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	63°·9	57°·8	65°·3	58°·7	65°·1	59°·6	60°·0	58°·0	66°·1	64°·3	61°·9	Mean Temp. 58°·7						
	9. Stricture of Intestines	2	..	..	..	1	1	1	4	2	..	1·1	..	..	..	..	..	..	..
	10. Fistula	..	3	..	1	..	1	1	..	1	1	·8	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	6	8	3	5	6	10	7	7	3	9	6·4	8	3	3	1	1	2	1
	12. *Pancreas Disease, &c.*	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	13. Hepatitis	4	3	5	4	7	5	3	2	4	3	4·0	..	..	..	..	..	..	..
	14. Jaundice	4	5	3	1	7	7	5	3	4	7	4·6	5	4	4	..	1	..	..
	15. *Liver Disease, &c.*	9	20	16	13	13	19	22	22	25	25	18·4	32	1	3	1	16	11	1
	16. *Spleen Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	1	..	..	..	1	1	..	..	1	..	·4	1	..	..	..	1	..	..
	2. Ischuria	..	1	..	2	..	..	..	1	..	..	·4	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	3	6	8	8	9	9	11	2	10	7	7·3	9	..	..	1	3	5	..
	4. Diabetes	2	..	2	2	2	..	3	..	..	1	1·2	2	..	1	..	..	1	..
	5. Calculus (Stone)	..	1	..	1	..	1	2	..	2	3	1·0	..	..	..	..	..	..	..
	6. Cystitis	..	..	..	..	..	1	1	2	1	1	·6	1	..	..	..	1	..	..
	7. *Kidney Disease, &c.*	2	5	3	8	4	5	5	7	8	12	5·9	9	..	1	1	4	2	1
	ORDER 6.																		
	1. Ovarian Dropsy	..	..	2	1	..	..	1	1	2	..	·7	2	..	..	..	2	..	..
	2. *Uterus Disease, &c.*	3	..	2	2	3	2	..	2	7	3	2·4	5	..	..	3	2	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	..	..	1	·1	1	..	..	..	..	1	..
	2. *Joint Disease, &c.*	1	..	4	1	5	3	1	6	11	9	4·1	7	1	3	..	2	2	..
	ORDER 8.																		
	1. Phlegmon	6	7	..	4	2	..	2	2	1	3	2·7	2	1	1	..	1	..	..
	2. Ulcer	..	1	3	..	1	2	3	..	1	..	1·1	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	2	2	1	..	..	1	2	..	..	3	1·1	2	..	..	1	..	..	1
IV.	ORDER 1.																		
	1. Premature Birth	24	11	14	22	19	14	21	16	17	25	18·3	22	22	22	..	..	..	..
	2. Cyanosis	2	..	..	1	2	5	2	4	..	2	1·8	..	..	..	..	..	..	..
	3. Spina Bifida	..	1	1	..	2	..	1	2	2	1	1·0	4	4	4	..	..	..	..
	4. Other Malformations	1	3	..	..	1	1	..	..	2	7	1·5	1	1	1	..	..	..	..
	5. Teething	12	10	19	13	8	8	8	17	17	10	12·2	19	19	19	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	1	1	..	1	..	..	1	..	·4	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	5	5	4	3	4	4	7	6	8	6	5·2	3	..	..	3	..	..	..
	ORDER 3.																		
	1. Old Age	47	28	43	30	44	47	42	37	54	37	40·9	43	..	..	..	..	26	17
	ORDER 4.																		
	1. Atrophy and Debility	68	49	58	71	73	94	67	102	89	92	76·3	76	67	67	..	2	7	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	12	9	24	20	11	22	22	21	14	12	16·7	12	3	3	7	2	..	..
	2. Wounds	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	3. Burns and Scalds	4	2	4	6	2	6	3	4	4	8	4·3	..	..	..	..	..	..	..
	4. Poison	1	..	..	3	2	3	1	..	1	3	1·4	2	..	..	..	2	..	..
	5. Drowning	10	4	13	16	8	7	9	10	3	12	9·2	3	..	..	2	1	..	..
	6. Suffocation	1	4	3	3	10	4	6	6	4	5	4·6	6	6	6	..	..	..	..
	7. Otherwise	..	1	2	1	1	2	2	..	2	8	1·9	2	1	2	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	1	6	3	3	3	4	2	2	1	1	2·6	1	1	1	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	..	1	..	..	..	1	..	..	5	·8	..	..	..	..	..	..	..
	2. Poison	1	1	1	1	1	..	1	..	..	2	·8	..	..	..	..	..	..	..
	3. Drowning	1	..	..	..	1	..	1	..	1	4	·8	..	..	..	..	..	..	..
	4. Hanging	2	4	3	3	3	4	2	1	2	1	2·5	1	..	..	..	1	..	..
	5. Otherwise	..	..	1	..	..	1	..	..	..	2	·4	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	1	1	..	·2	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	3	1	8	5	2	6	..	..	..	1	2·6	..	..	..	..	..	..	..
	Causes not specified or ill-defined	4	4	7	3	25	1	45	5	17	23	13·4	1	1	1	..	..	..	..

" hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 21st August 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
August.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	15	..	30·159	68·7	48·9	19·8	59·1	53·0	104·8	42·1	61·4	60·4	6·1	10·6	2·5	— 2·4	80	NW., SW., & NE.	Variable	0·3	0·0	0·0	77	0·00	0
Monday . .	16	..	30·149	70·6	54·0	16·6	61·7	54·4	100·4	46·0	61·9	60·9	7·3	15·1	0·0	+ 0·4	77	WSW. & W.	NNW. & NE.	0·2	0·0	0·0	129	0·01	0
Tuesday .	17	..	30·197	65·8	53·2	12·6	58·1	47·5	119·9	45·8	61·4	59·4	10·6	14·9	3·6	— 3·0	68	NE. & NNE.	NNE. & NE.	1·8	0·0	0·1	237	0·00	0
Wednesday	18	Greatest Dec. S.	30·178	68·9	46·2	22·7	57·4	49·8	120·3	37·7	61·4	59·4	7·6	16·0	2·7	— 3·6	76	NNE, NW, & WSW.	NNE, WSW, & ESE.	0·3	0·0	0·0	117	0·00	2
Thursday.	19	..	30·173	62·2	51·9	10·3	57·2	47·7	108·5	44·3	61·1	59·9	9·5	12·7	4·6	— 3·7	71	ENE.	NE.	0·6	0·0	0·0	167	0·00	5
Friday . .	20	..	30·165	69·6	50·2	19·4	57·9	49·1	121·0	42·2	60·4	59·2	8·8	17·8	0·0	— 2·9	73	Calm & NNE.	NE. E. & Calm.	0·2	0·0	0·0	87	0·00	3
Saturday.	21	..	30·122	75·1	46·3	28·8	59·6	51·6	125·0	38·0	61·6	59·4	8·0	20·6	0·0	— 1·1	75	WSW. & ENE.	N. S. & SSW.	0·1	0·0	0·0	107	0·00	2
Means . .		..	30·163	68·7	50·1	18·6	58·7	50·4	114·3	42·3	61·3	59·8	8·3	15·4	1·9	— 2·3	74	Variable.		..	..	..	Sum 921	Sum 0·01	1·7
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. August.		Electricity.	Sky and Atmosphere.
Sunday .	15	No electricity was shown.	Overcast, with slight exceptions, throughout. A dull and gloomy day.
Monday .	16		Generally cloudy and hazy throughout the day. Rain fell at night.
Tuesday .	17		Nearly cloudless during the morning; overcast in the afternoon; variable at night.
Wednesday	18		Large amounts of clouds were prevalent throughout the day. Generally fine, but hazy.
Thursday .	19		Generally overcast. Haze in the morning.
Friday .	20		Variable during the day; cloudless at night. Generally fine.
Saturday .	21		A fine day; partially cloudy. Misty in the morning.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 30·06 in. at the beginning of the week to 30·17 in. by 9h. P.M. on the 15th; decreased to 30·14 in. by 3h. P.M. on the 16th; increased to 30·22 in. by 9h. P.M. on the 17th; remained at this reading till after 9h. A.M. on the 18th; decreased to 30·15 in. by 9h. P.M. on the same day; increased to 30·19 in. by 9h. A.M. on the 20th; and decreased slowly to 30·10 in. by the end of the week.

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WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.



By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 34. 1869. Vol. XXX.] Week ending Saturday, August 28. [Price 1½*d.*

General Register Office, Somerset House,
30th August 1869.

In the week that ended on Saturday, 28th August, 4413 births, and 3184 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 25 per 1000 persons living.

The annual rate of mortality last week was 24 per 1000 in London, 33 in Edinburgh, and 23 in Dublin; 14 in Bristol, 24 in Birmingham, 31 in Liverpool, 28 in Manchester, 28 in Salford, 30 in Sheffield, 27 in Bradford, 28 in Leeds, 28 in Hull, 24 in Newcastle-upon-Tyne, and 26 in Glasgow.

In the eleven large English towns, including London, the 456 deaths referred during last week to diarrhœa showed a further considerable decline upon the three previous weeks, when the numbers had been 741, 706, and 552 respectively; the average annual death-rate in these towns from this disease last week was 4 per 1000 persons living. The annual death-rate from diarrhœa in the several towns varied last week from 1 and 4 per 1000 in Bristol and Newcastle, to 7 per 1000 in both Bradford and Salford.

In Paris the annual rate of mortality in the week ending last Saturday (28th August) was 24 per 1000. The rate in Vienna was 30 per 1000 during the week ending 21st instant.

In London the births of 1032 boys and 1015 girls, in all 2047 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2079.

The deaths registered in London during the week were 1463. It was the thirty-fourth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1386. The deaths in the present return exceed by 77 the estimated amount.

The deaths from zymotic diseases were 573, the corrected average number being 493. Five deaths from small-pox, 20 from measles, 143 from scarlet fever, 6 from diphtheria, 87 from whooping-cough, 10 from typhus fever, 18 from enteric fever, and 13 from simple continued fever were registered.

Diarrhœa proved fatal to 183 children and 12 adults. In the six preceding weeks the total numbers were 102, 253, 384, 394, 346, and 264.

Simple cholera or choleraic diarrhœa proved fatal to 10 children and 4 adults.

Pancras; *Somers-town.*—At 13 Euston-square, on 28th August, a domestic servant, aged 34 years, simple "malignant cholera, collapse (30 hours)."

London City; *North-east.*—At 7 Peahen-court, on 27th August, the wife of a labourer, aged 40 years, simple "cholera serosa (80 hours)."

St. George-in-the-East; *St. Paul.*—At 57 Kinder-street, on 23d August, the widow of a dock labourer, aged 68 years, "simple cholera."

Poplar; *Bow.*—At Bromley-marsh, Bromley, on 25th August, the wife of a shipwright, aged 28 years, simple "cholera."

The mortality from scarlet fever continues to increase. Nine cases were registered last week in the West districts, 29 in the North, 20 in the Central, 50 in the East, and 35 in the South districts.

One hundred and thirty persons died from phthisis, 53 from bronchitis, 36 from pneumonia, and 53 from heart disease.

Thirty-five deaths were caused by apoplexy, and 24 by paralysis: in the preceding week the deaths from these diseases were 39 and 22 respectively.

The deaths of 2 persons from intemperance, of one person from delirium tremens, of 13 infants and one adult from syphilis, of 12 persons from drowning, of 2 infants from suffocation, and of 7 persons who committed suicide were registered.

The following deaths of 3 persons who were killed by horses or carriages in the streets were recorded :—

The son of a house painter, aged 23 months, "internal injuries from a cart wheel passing over the body." Died on 17th August in the Royal Free Hospital. (*Inquest.*)

The daughter of a shoemaker, aged 2 years, "crushed head; run over by a cart." Died instantly in the Commercial Road, Pimlico, on 19th August. (*Inquest.*)

A lighterman, aged 73 years, "run over by a cart." Died on 23d August in the London Hospital. (*Inquest.*)

The waters supplied by the Metropolitan Companies during the month of August, contained (according to Professor Frankland's analysis) in 100,000 tons foreign solid matters amounting to 25 tons in the Chelsea water, 24 in the West Middlesex, 24 in the Southwark and Vauxhall, 25 in the Grand Junction, 25 in the Lambeth, 24 in the New River, 23 in the East London, and 41 in the Kent. 100,000 tons of the Chelsea water contained 21 tons, the West Middlesex 20 tons, the Southwark and Vauxhall 20 tons, the Grand Junction 20 tons, the Lambeth 20 tons, the New River 20 tons, the East London 20 tons, and the Kent 30 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

Professor Frankland remarks :—"The samples from the mains of the Southwark, "Lambeth, and East London Companies were slightly turbid. The waters sup-"plied by the other Companies were clear and transparent. The Southwark and "Lambeth Companies' waters contained living organisms."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 30·078 in. The barometrical reading decreased from 30·17 in. on Sunday, 22d August, to 29·87 in. on Saturday, 28th August. The mean temperature of the air in the week was 68·4°, which is 8·0° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 89·0° on Saturday, 28th August. The lowest night temperature was 50·3° on Sunday, 22d August. The entire range of temperature in the week was, therefore, 38·7°. The mean of the highest temperatures of the water of the Thames was 63·7°; that of the lowest was 62·5°. The difference between the mean dew-point temperature and air temperature was 10·8°. The mean degree of humidity of the air was 69, complete saturation being represented by 100. No rain fell. The general direction of the wind was variable. The amount of ozone was greater than in the preceding week.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 180,003 cubic metres, and at Barking 135,489 cubic metres, equivalent to about as many tons by weight.

SIR, *Royal College of Chemistry, 28th August* 1869.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of August. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Newcastle, Glasgow, Manchester, Bristol, Dublin, and Norwich, and by samples of Thames water taken at London Bridge at low and high water, also by the well waters from the artesian well in Trafalgar-square, from the Royal Mint, and from Barclay's Brewery.

The samples from the mains of the Southwark, Lambeth, and East London Companies were slightly turbid, the waters supplied by the other Companies were clear and transparent. The Southwark and Lambeth Companies' waters contained living organisms.

I have, &c.

E. FRANKLAND.

The Registrar General,
&c. &c. &c.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	2d August, Cab Rank, Horse Guards	18·9	25·16	·125	·021	·000	·157	·178	1250	1·52	20·63
West Middlesex	2d August, Cab Rank, Portland-road	19·7	23·90	·088	·017	·001	·121	·139	900	1·50	20·34
Southwark and Vauxhall	2d August, Cab Rank, St. George's Church, Borough	19·7	23·86	·111	·017	·001	·121	·139	900	1·50	20·34
Grand Junction	2d August, Cab Rank, Woodstock-st.	18·9	24·96	·098	·021	·000	·129	·150	970	1·57	20·34
Lambeth	2d August, Cab Rank, Lambeth-road	19·2	25·24	·126	·018	·000	·160	·178	1280	1·53	20·34
OTHER SOURCES.											
New River	2d August, Cab Rank, Tottenham-court-road	19·4	24·04	·070	·018	·000	·169	·187	1370	1·43	20·34
East London	2d August, Slater's Lamp Black Works, Old Ford-road	17·8	22·50	·068	·016	·000	·085	·101	530	1·72	20·22
Kent	2d August, Deptfd. Bdge, Police Stat.	15·0	40·96	·018	·008	·000	·421	·429	3890	2·30	29·93
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September 1868		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July 1868, Glasgow		3·00	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June 1868, Manchester		6·20	·183	·009	·006	·025	·039	0	1·117	3·7
Bristol	February 1869, Bristol Waterworks		28·66	·160	·017	·001	·203	·221	1720	1·300	24·40
Dublin	April 1869, Dublin Water Supply		6·34	·238	·024	·001	·000	·025	0	1·240	2·97
Norwich	September 1868, Norwich Water Supply		28·18	·227	·055	·000	·000	·055	0	2·631	23·68
Thames water, filtered	27th April 1869, London Bridge mid-stream	at low water	30·35	·455	·075	·032	·181	·282	1750	1·950	22·7
		at high water	92·85	·540	·122	·025	·394	·537	3830	31·500	23·9
Artesian well water	May 6th, 1869, Trafalgar Square, London		83·4	·150	·012	·070	·000	·070	260	16·55	5·92
Deep Chalk well water	June 1869, Royal Mint,		83·96	·195	·025	·060	·000	·074	170	13·92	17·48
Deep well water	July 1869, Barclay's Brewy., Sothwk.	12·1	73·3	·085	·008	·060	·000	·057	170	14·03	7·33
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 2d August at the Horse Guards' cab rank had a temperature of 18·9° C.;

100,000 lbs. of it contained 25·16 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·125 lb. of carbon and ·021 lb. of nitrogen. This solid impurity also contained ·157 lb. of nitrogen in the form of nitrates and nitrites, and the total amount of *combined* nitrogen in every form was ·178 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 1,250 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·52 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 20·63 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Thirty-fourth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1710	1607	1753	1850	1788	1915	1916	2042	2255	2067	1890·3	2047
Males . .	840	827	909	942	912	992	947	1050	1154	1047	962·0	1032
Females .	870	780	844	908	876	923	969	992	1101	1020	928·3	1015
Total Deaths	1217	937	1159	1254	1337	1413	1135	1477	1247	1428	1260·4	1463*
Males . .	629	478	598	620	690	706	585	732	666	724	642·8	756
Females .	588	459	561	634	647	707	550	745	581	704	617·6	707

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	June 5.	June 12.	June 19.	June 26.	July 3.	July 10	July 17.	July 24.	July 31.	Aug. 7.	Aug. 14.	Aug. 21.	Aug. 28.
Deaths - - - - -	1355	1305	1236	1381	1231	1279	1313	1600	1646	1630	1591	1527	1463*
Deaths under 5 years of age -	532	553	549	590	528	541	652	897	967	972	920	810	767
Deaths under 20 years of age	637	661	652	693	642	660	758	1010	1080	1100	1039	916	892
Deaths 20—40 - - -	196	194	170	204	172	194	150	161	181	159	166	184	153
Deaths 40—60 - - -	258	212	196	227	196	205	204	184	204	163	187	201	177
Deaths at 60 years of age and upwards - - -	264	238	218	257	221	220	201	245	181	208	199	226	241
Deaths from Small-pox -	3	8	3	1	4	4	2	5	4	2	5	5	5
„ „ Measles - -	24	28	28	23	22	29	35	23	33	25	31	21	20
„ „ Scarlet Fever -	62	54	60	65	75	85	77	75	88	100	114	132	143
„ „ Diphtheria -	3	3	6	6	4	6	4	4	3	8	6	5	6
„ „ Whooping-cough	89	96	93	76	90	69	77	67	67	65	68	60	87
„ „ Typhus fever -	15	12	10	10	12	12	14	8	18	6	10	13	10
„ „ Enteric fever -	15	18	19	18	14	18	17	21	16	22	12	17	18
„ „ SimpleContdfever	6	9	9	10	14	12	11	14	10	10	3	5	13
„ „ Diarrhœa - -	22	11	17	28	20	30	102	253	384	394	346	264	195
„ „ Phthisis - -	200	166	171	197	174	144	163	166	176	156	162	172	130
„ „ Bronchitis - -	115	97	99	108	85	92	80	64	48	65	50	54	53
„ „ Pneumonia -	62	74	59	64	61	52	52	76	46	40	48	55	36
„ „ Heart Disease -	61	65	62	90	45	57	55	55	49	40	59	49	53
Mean Temperature of the Air	53°·3	59°·0	51°·3	54°·3	56°·9	64°·2	66°·9	66°·0	64°·0	59°·8	58°·5	58°·7	68°·4
Mean Temperature of the Water of the Thames -	53·5	57·3	56·1	56·1	58·9	62·0	64·4	67·4	66·5	64·0	61·8	60·5	63·1
Humidity of the Air - -	82	73	80	83	73	73	72	76	77	77	77	74	69
Rain-fall in inches - -	0·10	0·00	0·84	0·20	0·00	0·00	0·14	0·00	0·41	0·47	0·73	0·01	0·00

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Kennington 2nd part was not received when the Tables were under preparation, but an average of 9, derived from the returns of six previous weeks, is substituted for the true number, which is 5.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 28th day of August 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 28th Aug.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 28th Aug.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**5,546,587**	**35·5**	**4541**	**4413**	**3244**	**3184**	**90·6**	**43·7**	**65·2**	**0·00**	**0**	**3·56**	**6·50**	**18·44**	**0**
London (Metropolis)	3,170,754	40·7	2070	2047	1462	1463	89·0	50·3	68·4	0·00	0	31·67	10·17	20·22	0
Bristol (City)	169,423	36·1	109	114	76	46 *	90·3	50·4	65·9	0·01	1	32·39	10·22	18·83	3
Birmingham (Borough)	360,846	46·1	283	232	175	163	89·6	52·4	67·5	0·00	0	32·01	11·33	19·72	0
Liverpool (Borough)	509,052	99·7	345	314	295	299	86·0	54·2	65·8	0·00	0	30·00	12·33	18·78	0
Manchester (City)	370,892	82·7	277	212	210	199 *	..	..	..	..	..	..	..	..	..
Salford (Borough)	119,350	23·1	89	93	60	64	90·6	49·9	66·9	0·00	0	32·56	9·94	19·39	0
Sheffield (Borough)	239,752	10·5	196	171	126	138	90·5	52·1	67·0	0·00	0	32·50	11·17	19·44	0
Bradford (Borough)	138,522	21·0	105	150	71	71	81·2	53·5	65·1	0·00	0	27·33	11·95	18·39	0
Leeds (Borough)	253,110	11·7	189	281	129	137	85·0	55·0	64·9	0·00	0	29·44	12·78	18·28	0
Hull (Borough)	126,682	35·6	83	81	59	68	83·0	48·0	61·2	0·00	0	28·33	8·89	16·22	0
Newcastle-on-Tyne (Borough)	130,503	24·5	90	112	69	59	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	146	86	112	80·7	51·0	62·6	0·00	0	27·06	10·56	17·01	0
Glasgow (City)	458,937	90·6	374	308	268	226	77·7	47·6	62·1	0·01	1	25·39	8·67	16·73	3
Dublin (City and some suburbs)	320,762	32·9	219	152	158	139	84·2	43·7	64·7	0·00	0	29·00	6·50	18·17	0
Paris (City)	1,889,842	..	..	..	..	875	..	..	..	..	..	..	..	..	..
				Week ending 21st Aug. 1869.		Week ending 21st Aug. 1869.		Week ending 21st August 1869.					Week ending 21st August 1869.		
Vienna (City)	(1863) 560,000	..	..	..	..	327	..	..	64·6	..	..	..	..	18·13	..
				Week ending 26th Aug. 1869.		Week ending 26th Aug. 1869.		Week ending 26th August 1869.					Week ending 26th August 1869.		
Berlin (City)	(1867) 702,437	..	..	..	..	..	..	..	..	..	..	..	..	..	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol: D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 28th August 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2047	1463	5	20	143	6	87	41	195
WEST DISTRICTS -	320	205	1	2	9	1	11	9	24
NORTH DISTRICTS -	431	277	1	1	29	2	24	3	34
CENTRAL DISTRICTS -	192	167	-	6	20	1	12	5	19
EAST DISTRICTS -	467	363	2	5	50	2	22	10	45
SOUTH DISTRICTS -	637	451	1	6	35	-	18	14	73
WEST DISTRICTS.									
St. Mary Paddington *WH*	39	19	-	-	2	-	-	3	-
St. John Paddington H	14	17	-	-	1	-	-	1	1
Kensington Town *W* -	59	23	-	-	2	-	1	-	2
Brompton H - -	14	10	-	-	-	-	-	-	2
St. Peter Hammersmith	3	2	-	-	-	-	-	-	-
St. Paul Hammersmith	20	14	-	-	-	-	-	-	2
Fulham *W* - - -	14	10	-	-	1	-	-	-	6
Chelsea South H - -	28	12	1	-	-	1	1	-	3
Chelsea North-west H *Ww*	16	14	-	1	-	-	-	-	1
Chelsea North-east -	10	8	-	-	-	-	2	1	-
Hanover Square - -	7	4	-	-	2	-	2	-	-
May Fair *W* - -	6	3	-	-	-	-	-	-	-
Belgrave H - - -	21	19	-	-	-	-	1	-	1
St. John Westminster -	26	17	-	-	-	-	-	3	1
St. Margaret West. *WH*	13	12	-	-	-	-	-	1	1
St. James's Square -	3	1	-	-	-	-	-	-	-
Golden Square *W* -	3	7	-	-	-	-	1	-	-
Berwick-street - -	10	7	-	1	-	-	2	-	1
St. Anne Soho - -	14	6	-	-	1	-	1	-	3
NORTH DISTRICTS.									
All Souls Marylebone H	13	13	-	-	1	-	2	-	1
Cavendish Square - -	6	3	-	-	-	-	-	-	1
Rectory Marylebone *W*	17	24	-	-	2	-	-	-	3
St. Mary Marylebone -	19	5	-	-	1	-	-	-	1
Christchurch Marylebone	24	11	-	-	1	-	1	-	4
St. John Marylebone -	20	8	-	-	-	-	1	-	-
Hampstead *W* - -	11	6	-	-	-	-	1	-	2
Regent's Park Pancras -	11	7	-	-	2	-	-	-	2
Tottenham-court *w*H -	17	13	-	-	2	-	2	-	1
Gray's Inn Lane H -	15	16	-	-	1	1	-	-	3
Somers Town - -	24	12	-	-	-	-	1	-	1
Camden Town *W* -	10	17	-	-	1	-	-	-	2
Kentish Town - -	44	24	-	-	3	-	3	-	3
Islington West* *WHH*	55	29	1	-	1	-	3	3	4
Islington East *Ww* -	64	35	-	-	3	-	6	-	4
Stoke Newington - -	7	4	-	-	3	-	1	-	-
Stamford Hill - -	6	2	-	-	-	-	-	-	-
West Hackney - -	17	12	-	-	4	1	-	-	-
Hackney *WHw* - -	34	20	-	-	2	-	3	-	2
South Hackney L -	17	16	-	1	2	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	10	6	-	-	-	-	-	-	1
St. Giles South *W* -	13	12	-	-	2	-	1	-	2
St. Giles North - -	10	5	-	-	-	1	-	1	1
Long Acre - - -	5	2	-	-	-	-	-	-	-
Charing Cross *WH* -	1	4	-	-	-	-	-	-	-
St. Mary-le-Strand -	4	1	-	-	-	-	-	-	-
St. Clement Danes H -	4	8	-	-	-	-	-	1	-
‡St. George-the-Martyr H	8	10	-	-	1	-	-	-	3
St. Andrew, East Holb. *W*	4	9	-	-	-	-	-	-	-
Saffron Hill - - -	-	2	-	-	-	-	-	-	-
St. James Clerkenwell *W*	14	14	-	-	-	-	1	1	2
Amwell Clerkenwell -	10	3	-	-	-	-	-	-	-
Pentonville - - -	6	8	-	1	-	-	3	-	1
Goswell-street - -	13	5	-	-	1	-	1	-	1
Old-street - - -	12	8	-	-	-	-	-	-	1
City-road HL - -	24	13	-	2	5	-	1	-	1
Whitecross-street - -	11	7	-	-	2	-	1	-	1
Finsbury - - - -	5	5	-	-	2	-	-	-	-
St. Botolph East London	8	8	-	3	-	-	-	-	2
Cripplegate - - -	6	8	-	-	2	-	3	-	1
West London North *WH*	8	14	-	-	4	-	-	1	-
West London South -	6	6	-	-	-	-	1	1	2
London City South-west	2	1	-	-	-	-	-	-	-
London City North-west	1	1	-	-	1	-	-	-	-
London City South -	5	2	-	-	-	-	-	-	-
London City South-east	1	2	-	-	-	-	-	-	-
London City North-east	1	3	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	10	4	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	11	12	-	-	-	-	1	1	1
Hoxton New Town *w* -	22	13	-	-	2	-	-	-	-
Hoxton Old Town - -	22	12	-	-	1	-	1	-	3
Haggerstone West *W* -	21	16	-	-	3	-	2	-	3
Haggerstone East - -	10	14	-	-	4	-	1	1	2
Hackney-road - -	27	13	-	-	3	-	1	-	3
Green, Bthnl. Grn. *WHL*†	33	24	1	2	2	-	1	1	3
Church, Bethnal Green -	24	12	-	-	2	1	1	-	2
Town, Bethnal Green -	29	14	-	-	6	-	-	-	2
Artillery Whitechapel -	6	3	-	-	1	-	1	-	-
Spitalfields - - -	4	5	-	-	2	-	-	-	1
Mile End New Town *W*	13	22	-	-	-	-	1	1	5
Whitechapel North -	3	3	1	-	-	-	-	-	-
Whitechapel Church H	5	20	-	-	1	-	-	-	-
Goodman's Fields - -	7	4	-	-	1	-	-	-	-
Aldgate - - - -	3	5	-	-	2	-	2	-	-
St. Mary St. Geo. East -	15	10	-	-	2	-	-	-	3
St. Paul St. Geo. East -	13	9	-	-	2	-	-	-	-
St. John St. Geo. East *W*	3	8	-	-	-	-	-	-	1
Shadwell *W* - - - -	9	10	-	-	-	-	1	-	1
Ratcliff *W* - - -	9	8	-	-	1	1	-	-	2
Limehouse *W* - -	17	16	-	-	2	-	-	2	-
Mile End Old Town, West	29	16	-	1	1	-	2	1	2
Mile End Old T., East *Ww*	36	29	1	1	3	-	2	-	2
Bow *ww*L† - - -	41	44	-	-	8	-	2	2	8
Poplar *W* - - -	45	17	-	-	1	-	3	1	1
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	14	10	-	1	1	-	-	-	5
St. Saviour Southwark H	13	7	-	-	-	-	1	2	-
St. Olave Southwark H	1	9	-	-	-	-	-	-	-
St. John Horsleydown *W*	16	6	-	-	-	-	1	-	2
St. James Bermondsey -	31	17	-	-	-	-	1	-	3
St. Mary Magdalen *W* -	7	9	-	-	-	-	-	1	1
Leather Market - -	14	3	-	-	3	-	-	-	-
Kent-road - -	15	17	-	1	-	-	1	-	1
Borough-road *W* - -	10	14	-	-	2	-	-	-	2
London-road L - -	8	12	-	-	2	-	1	1	4
Trinity Newington -	13	11	1	-	-	-	-	1	-
St. Peter Walworth *W*	35	23	-	-	2	-	1	1	1
St. Mary Newington H	10	9	-	1	-	-	1	-	-
Waterloo-road 1st -	6	1	-	-	-	-	-	-	-
Waterloo-road 2nd -	19	5	-	-	-	-	-	-	1
Lambeth Church 1st -	12	7	-	-	-	-	-	-	3
Lambeth Church 2nd *W*	28	14	-	-	2	-	1	-	-
Kennington 1st - -	33	16	-	-	1	-	-	1	3
Kennington 2nd - -	22	9	-	-	-	-	-	-	-
Brixton - - - -	26	5	-	-	-	-	-	-	1
Norwood *W* - - -	7	1	-	-	-	-	-	-	1
Clapham - - -	13	6	-	-	1	-	-	1	2
Battersea *Ww* - -	30	32	-	2	-	-	2	2	6
Wandsworth L - -	12	11	-	-	2	-	-	-	3
Putney - - - -	2	3	-	-	-	-	-	-	1
Streatham - - -	7	5	-	-	-	-	-	-	1
Dulwich - - -	2	-	-	-	-	-	-	-	-
Camberwell *WL*†L† -	18	9	-	-	-	-	-	1	-
Peckham - - -	26	21	-	-	-	-	1	-	7
St. George Camberwell -	31	19	-	-	2	-	3	1	3
Rotherhithe *W* - -	17	14	-	-	5	-	-	-	3
St. Paul Deptford - -	38	26	-	-	3	-	2	1	3
St. Nicholas Deptford -	2	10	-	-	3	-	-	-	1
Greenwich West H -	12	10	-	1	1	-	-	-	-
Greenwich East *WH* -	18	20	-	-	-	-	-	-	-
Eltham - - - -	2	3	-	-	-	-	-	-	-
Lee - - - - -	3	7	-	-	-	-	-	-	-
Lewisham Village *W* -	3	3	-	-	-	-	-	-	-
Sydenham - - -	6	7	-	-	-	-	-	1	3
Charlton H - - -	11	6	-	-	-	-	-	-	2
Woolwich Dockyard H	6	6	-	-	-	-	2	-	-
Woolwich Arsenal H -	13	10	-	-	-	-	-	-	1
Plumstead, West - -	16	7	-	-	-	-	-	-	2
Plumstead, East - -	9	11	-	-	-	-	-	-	3

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - " " Tottenham-court sub-district.
West London - - " " Islington East.
East London - - " " Hackney sub-district.
St. Luke Middlesex - " " Hoxton New Town sub-district.
London City - - " " Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - " " Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.

DEATHS in LONDON, from ALL CAUSES, Registered in the THIRTY-FOURTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 27 1859	Aug 25 1860	Aug 24 1861	Aug 23 1862	Aug 22 1863	Aug 27 1864	Aug 26 1865	Aug 25 1866	Aug 24 1867	Aug 22 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 28, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	66°·6	57°·5	61°·2	59°·6	58°·1	52°·2	61°·7	61°·2	63°·7	61°·9	60°·4	Mean Temp. 68°·4						
	ALL CAUSES . . .	1217	937	1159	1254	1337	1413	1135	1477	1247	1428	1260·4	1463†	767	889	150	174	198	43
	SPECIFIED CAUSES .	1197	918	1154	1237	1326	1409	1127	1468	1242	1419	1249·7	1452	766	888	150	173	198	43
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	474	226	375	427	549	545	325	670	382	507	448·0	573	450	515	22	15	18	3
II.	CONSTITUTIONAL „ .	253	211	224	239	256	261	237	270	238	292	248·1	242	65	87	65	60	29	1
III.	LOCAL „ .	307	315	364	378	349	376	354	343	390	403	357·9	432	140	166	48	84	118	16
IV.	DEVELOPMENTAL „ .	130	123	138	151	127	165	174	137	166	175	148·6	163	101	102	6	4	28	23
V.	VIOLENT DEATHS . .	33	43	53	42	45	62	37	48	66	42	47·1	42	10	18	9	10	5	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	442	216	338	402	524	509	303	635	356	466	419·1	536	419	484	19	15	15	3
	2. ENTHETIC „ . .	7	1	8	8	5	11	5	4	10	10	6·9	15	13	13	1	..	1	..
	3. DIETIC „ . .	18	7	24	12	16	22	15	22	12	23	17·1	19	15	15	2	..	2	..
	4. PARASITIC „ . .	7	2	5	5	4	3	2	9	4	8	4·9	3	3	3	..	..	..	..
II.	1. DIATHETIC „ . .	45	36	24	34	47	42	33	33	39	54	38·7	51	3	6	5	21	18	1
	2. TUBERCULAR „ . .	208	175	200	205	209	219	204	237	199	238	209·4	191	62	81	60	39	11	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	100	107	133	118	126	120	134	112	154	140	124·4	154	72	81	11	17	39	6
	2. „ OF ORGANS OF CIRCULATION .	43	35	38	40	52	50	49	47	51	48	45·3	57	..	8	9	18	20	2
	3. „ OF RESPIRATORY ORGANS . .	71	104	108	130	91	121	100	112	95	106	103·8	120	58	60	9	20	26	5
	4. „ OF DIGESTIVE ORGANS . . .	64	31	62	58	50	48	40	45	60	76	53·4	62	5	7	10	21	21	3
	5. „ OF URINARY ORGANS . . .	14	19	8	24	18	24	20	16	21	23	18·7	18	1	3	5	4	6	..
	6. „ OF ORGANS OF GENERATION .	5	7	7	4	4	4	3	3	4	3	4·4	8	..	..	3	2	3	..
	7. „ OF ORGANS OF LOCOMOTION .	4	2	2	3	5	4	5	4	3	5	3·7	5	2	5	..	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	6	10	6	1	3	5	3	4	2	2	4·2	8	2	2	1	2	3	..
IV.	1. DEV. DISEASES OF CHILDREN	31	30	32	36	30	29	48	36	40	41	35·3	38	38	38	..	..	..	..
	2. „ OF ADULTS .	5	5	..	2	2	7	9	5	5	4	4·4	6	..	..	5	1	..	..
	3. „ OF OLD PEOPLE	47	41	38	50	34	37	50	31	26	35	38·9	51	..	..	..	..	28	23
	4. DISEASES OF NUTRITION .	47	47	68	63	61	92	67	65	95	95	70·0	68	63	64	1	3	..	..
V.	*1 ACCIDENT OR NEGLIGENCE .	25	31	41	35	40	53	27	40	55	33	38·0	32	8	16	7	6	3	..
	3. HOMICIDE	3	5	2	1	1	3	7	3	1	3	2·9	2	2	2	..	..	..	..
	4. SUICIDE	5	7	10	6	4	6	3	4	7	6	5·8	7	..	..	2	4	1	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	1	3	..	·4	1	..	..	..	..	1	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	10	3	1	4	4	2	2	1	1	1	2·9	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	10	16	4	13	7	2	6	8	4	8	7·8	11†	1	1	..	1	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

† An average of 9 is added, without distinction of ages. See note *, page 298.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 27 1859	Aug 25 1860	Aug 24 1861	Aug 23 1862	Aug 22 1863	Aug 27 1864	Aug 26 1865	Aug 25 1866	Aug 24 1867	Aug 22 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 28, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	66°6	57°5	61°2	59°6	58°1	52°2	61°7	61°2	63°7	61°9	60°4	Mean Temp 68°4						
I.	ORDER 1.																		
	1. Small-pox	22	4	4	9	39	6	9	34	19	5	15·1	5	4	4	1	..	..	..
	2. Measles	12	40	15	39	17	74	25	35	14	33	30·4	20	20	20	..	..	..	..
	3. Scarlet Fever (Scarlatina)	78	34	41	68	125	59	47	39	19	49	55·9	143	91	139	3	1	..	..
	4. Diphtheria	13	8	12	16	14	11	7	11	7	7	10·6	6	6	6	..	..	..	..
	5. Quinsy	..	..	..	2	1	3	1	5	..	1	1·3	2	..	..	1	1	..	..
	6. Croup	6	4	9	17	17	17	9	11	9	12	11·1	7	7	7	..	..	..	..
	7. Whooping-cough	16	22	40	32	26	30	30	39	19	22	27·6	87	84	87	..	..	..	..
	8. Typhus	46	16	28	69	61	79	40	46	44	53	48·2	10	2	4	3	2	1	..
	— Enteric Fever												18	5	11	3	3	1	..
	— Simple continued Fever												13	8	9	1	1	2	..
	9. Erysipelas	3	2	3	5	5	2	3	5	3	6	3·7	5	3	3	..	..	2	..
	10. Puerperal Fever (Metria)	1	..	..	4	3	2	5	4	1	3	2·3	2	..	..	2	..	..	..
	11. Carbuncle	2	1	..	..	..	..	1	2	2	2	1·0	..	..	..	..	..	..	..
	12. Influenza	..	1	..	..	..	..	..	..	..	1	·2	..	..	..	..	..	..	..
	13. Dysentery	13	1	5	1	5	5	..	6	2	2	4·0	2	..	..	..	..	2	..
	14. Diarrhœa	215	69	167	123	182	190	115	129	196	246	163·2	195	180	183	1	3	5	3
	15. Simple Cholera	10	2	11	7	18	18	6	265	18	15	37·0	14	9	10	2	1	1	..
	16. Ague	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	17. Remittent Fever	3	1	..	4	1	2	1	..	..	..	1·2	..	..	..	..	..	..	..
	18. Rheumatism	2	11	2	6	10	11	2	4	3	8	5·9	7	..	1	2	3	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	2	..	..	1	·3	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	7	1	8	7	4	11	4	4	7	10	6 3	14	13	13	1	..	..	..
	2. Stricture of Urethra	..	..	..	1	1	..	1	..	2	..	·5	1	..	..	..	..	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	1	1	..	..	..	1	1	1	..	·6	..	..	..	..	..	..	..
	2. Want of Breast-milk	11	5	17	8	6	15	11	13	7	16	10·9	14	14	14	..	..	..	..
	3. Purpura and Scurvy	4	1	1	1	3	..	1	1	3	6	2·1	2	1	1	..	..	1	..
	4. Alcoholism (*a* Del. Tremens)	1	..	5	1	7	3	2	6	..	1	2·6	1	..	..	1	..	..	..
	(*b* Intemperance)	1	..	..	2	..	4	..	1	1	..	·9	2	..	..	1	..	1	..
	ORDER 4.																		
	1. Thrush	6	2	5	5	4	3	2	9	3	8	4·7	3	3	3	..	..	..	..
	2. Worms, &c.	1	..	..	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	..	1	1	..	1	1	1	1	2	1	·9	1	..	..	..	..	1	..
	2. Dropsy	10	9	9	9	10	11	9	10	9	15	10·1	13	2	5	2	4	2	..
	3. Cancer	31	25	11	21	32	28	21	21	25	38	25·3	32	..	..	3	17	11	11
	4. Cancrum Oris (Noma)	..	..	1	1	1	1	..	..	2	..	·6	1	1	1	..	..	..	..
	5. Mortification	4	1	2	3	3	1	2	1	1	..	1·8	4	..	..	..	..	4	..
	ORDER 2.																		
	1. Scrofula	6	9	13	12	6	7	7	9	8	12	8·9	7	4	4	1	1	1	..
	2. Tabes Mesenterica	26	24	32	23	34	21	25	33	31	34	28·3	33	30	33	..	..	..	..
	3. Phthisis	148	118	128	141	140	168	148	173	135	166	146·5	130	10	23	59	38	10	..
	4. Hydrocephalus	28	24	27	29	29	23	24	22	25	26	25·7	21	18	21	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	9	14	15	11	19	8	12	8	18	18	13·2	11	8	11	..	..	..	..
	2. Apoplexy	19	24	28	30	28	32	33	23	37	24	27·8	35	4	5	3	9	15	35
	3. Paralysis	25	17	26	24	23	20	22	22	28	24	23·1	24	..	..	3	2	16	35
	4. Insanity	..	1	2	2	2	1	1	2	1	1	1·3	3	..	..	1	1	1	..
	5. Chorea	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
	6. Epilepsy	3	1	6	4	5	8	7	4	5	12	5·5	3	1	1	1	1	..	..
	7. Convulsions	27	31	41	36	29	39	44	41	45	45	37·8	59	55	58	..	..	1	..
	8. *Brain Disease, &c.*	17	19	15	11	20	12	15	12	20	16	15·7	18	4	5	3	4	6	..
	ORDER 2.																		
	1. Pericarditis	3	3	3	..	..	1	2	2	2	2	1·8	1	..	1	..	..	..	..
	2. Aneurism	2	2	1	2	3	1	..	3	3	4	2·1	3	..	..	1	2	..	..
	3. *Heart Disease, &c.*	38	30	34	38	49	48	47	42	46	42	41·4	53	..	7	8	16	20	22
	ORDER 3.																		
	1. Laryngitis	1	2	3	6	5	6	4	2	2	2	3·3	8	4	5	1	2	..	..
	2. Bronchitis	30	46	47	66	48	61	48	54	47	56	50 3	53	24	24	1	8	15	33
	3. Pleurisy	2	..	2	2	4	1	2	1	6	3	2·3	2	..	..	1	1	..	..
	4. Pneumonia	26	44	45	46	24	43	35	45	31	37	37·6	36	26	27	3	3	3	..
	5. Asthma	7	6	2	3	5	6	5	3	2	2	4·1	5	..	..	..	3	2	..
	6. *Lung Disease, &c.*	5	6	9	7	5	4	6	7	7	6	6·2	16	4	4	3	3	6	..
	ORDER 4.																		
	1. Gastritis	5	2	5	6	3	1	..	2	..	1	2·5	2	..	..	..	..	1	1
	2. Enteritis	10	5	10	1	5	2	2	7	6	8	5·6	10	4	6	2	..	2	..
	3. Peritonitis	4	4	3	3	11	7	2	4	9	9	5·6	5	..	..	2	1	2	..
	4. Ascites	4	3	2	2	..	3	1	3	2	..	2·0	4	..	..	..	3	1	..
	5. Ulceration of Intestines	4	..	1	1	1	3	6	2	4	3	2 5	1	..	..	..	1	..	..
	6. Hernia	2	1	3	2	7	4	..	1	3	5	2·8	2	..	..	..	2	..	..
	7. Ileus	1	2	1	4	2	2	3	2	3	2	2·2	3	1	1	..	..	2	..
	8. Intussusception	1	1	..	1	..	..	1	..	1	3	·8	1	..	..	..	1	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "puerperal fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism."

In the THIRTY-FOURTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Aug 27 1859	Aug 25 1860	Aug 24 1861	Aug 23 1862	Aug 22 1863	Aug 27 1864	Aug 26 1865	Aug 25 1866	Aug 24 1867	Aug 22 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, August 28, 1869. Deaths of Persons of the Ages: ALL AGES	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	66°6	57°5	61°2	59°6	58°1	52°2	61°7	61°2	63°7	61°9	60°4	68°4						
	9. Stricture of Intestines	..	1	..	..	..	2	..	1	1	1	·6	1	..	..	..	1	..	..
	10. Fistula	..	..	..	1	1	1	1	..	..	..	·4	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	5	3	4	10	5	4	5	7	8	8	5·9	3	..	..	..	1	1	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	7	1	5	4	1	4	..	4	1	4	3·1	5	..	..	1	2	1	1
	14. Jaundice	5	1	9	6	4	2	3	2	4	5	4·1	4	..	..	..	2	2	..
	15. *Liver Disease, &c.*	16	7	19	16	10	13	16	10	17	27	15·1	21	..	..	5	7	9	..
	16. *Spleen Disease, &c.*	..	..	..	1	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	..	1	..	2	..	2	..	3	·8	1	..	..	1	..	..	..
	2. Ischuria	2	1	..	..	1	..	..	..	..	..	·4	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	1	6	4	12	7	13	9	7	10	2	7·1	10	..	1	4	3	2	..
	4. Diabetes	2	3	1	1	1	1	..	..	2	5	1·6	..	..	..	..	..	..	..
	5. Calculus (Stone)	2	..	..	..	1	..	3	..	2	..	·8	1	..	..	..	..	1	..
	6. Cystitis	..	2	..	1	2	2	..	..	2	3	1·2	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	7	7	3	9	6	6	8	7	5	10	6·8	5	1	2	..	1	2	..
	ORDER 6.																		
	1 Ovarian Dropsy	3	3	1	2	2	1	..	1	..	..	1·3	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	2	4	6	2	2	3	3	2	4	3	3·1	8	..	..	3	2	3	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	1	..	..	..	1	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	4	2	2	3	5	3	5	4	3	4	3·5	5	2	5	..	..	..	..
	ORDER 8.																		
	1. Phlegmon	2	5	2	..	1	1	1	2	..	..	1·4	4	1	1	1	1	1	..
	2. Ulcer	3	2	2	1	1	2	2	2	1	1	1·7	3	..	..	..	1	2	..
	3. *Skin Disease, &c.*	1	3	2	..	1	2	..	..	1	1	1·1	1	1	1	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	15	17	13	20	15	11	23	23	20	23	18·0	23	23	23	..	..	..	..
	2. Cyanosis	2	1	6	3	1	2	3	..	2	1	2·1	2	2	2	..	..	..	..
	3. Spina Bifida	..	..	1	1	..	..	..	..	2	..	·4	1	1	1	..	..	..	..
	4. Other Malformations	3	1	..	..	1	2	3	2	2	..	1·4	2	2	2	..	..	..	..
	5. Teething	11	11	12	12	13	14	19	11	14	17	13·4	10	10	10	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
	2. Childbirth(*see* Puerperal Fev.)	5	5	..	2	2	7	9	5	5	4	4·4	5	..	..	5	..	..	..
	ORDER 3.																		
	1. Old Age	47	41	38	50	34	37	50	31	26	35	38·9	51	..	..	..	..	28	23
	ORDER 4.																		
	1. Atrophy and Debility	47	47	68	63	61	92	67	65	95	95	70·0	68	63	64	1	3	..	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	7	18	23	19	18	28	12	22	28	15	19·0	13	4	5	3	3	2	..
	2. Wounds	..	..	..	..	1	3	..	..	..	..	·4	..	..	..	..	..	..	..
	3. Burns and Scalds	3	1	4	1	8	6	..	4	1	3	3·1	1	..	..	..	..	1	..
	4. Poison	1	..	3	1	1	1	..	2	..	..	·9	..	..	..	..	..	..	..
	5. Drowning	10	7	8	9	7	8	11	5	16	9	9·0	12	1	7	4	1	..	..
	6. Suffocation	4	5	2	4	3	7	2	5	7	5	4·4	2	2	2	..	..	..	..
	7. Otherwise	..	..	1	1	2	..	2	2	3	1	1·2	4	1	2	..	2	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	3	5	2	1	1	3	7	3	1	3	2·9	2	2	2	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	1	..	1	..	..	..	..	..	..	·2	1	..	..	..	1	..	..
	1. Wounds { Cut, Stab	1	..	3	..	..	2	..	1	3	1	1·1	5	..	..	1	3	1	..
	2. Poison	1	3	2	..	2	..	1	..	..	1	1·0	..	..	..	..	..	..	..
	3. Drowning	2	2	1	..	1	2	..	2	3	4	1·7	..	..	..	..	..	..	..
	4. Hanging	..	1	2	3	1	1	2	1	1	..	1·2	1	..	..	1	..	..	..
	5. Otherwise	1	..	2	2	..	1	..	..	..	..	·6	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	1	3	..	·4	1	..	..	..	..	1	..
	Sudden Deaths (Cause unascertained)	10	3	1	4	4	2	2	1	1	1	2·9	..	..	..	..	..	..	..
	Causes not specified or ill-defined	10	16	4	13	7	2	6	8	4	8	7·8	11†	1	1	..	1	..	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 9 is added, without distinction of ages. See note *, page 298.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 28th August 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shownby a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
August.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday .	22	Full	30·148	77·9	50·3	27·6	62·9	56·4	129·3	42·2	62·4	62·4	6·5	20·6	0·0	+ 2·2	79	Calm & N.	NE. & ESE.	0·5	0·0	0·0	112	0·00	3
Monday .	23	..	30·107	75·2	57·9	17·3	63·7	56·6	120·2	55·7	62·9	61·4	7·1	14·4	3·0	+ 3·1	78	Calm, SSW, & SW.	SW.	0·3	0·0	0·0	143	0·00	2
Tuesday .	24	..	30·047	82·9	54·8	28·1	67·6	56·5	134·1	45·4	63·4	62·4	11·1	23·6	2·0	+ 7·1	68	WSW.	WSW & SW	0·3	0·0	0·0	184	0·00	3
Wednesday	25	In Equator Apogee	30·074	84·0	59·5	24·5	70·0	56·9	129·5	47·2	63·7	62·7	13·1	25·8	3·6	+ 9·5	63	Calm & N.E.	ESE. & Calm.	0·2	0·0	0·0	104	0·00	1
Thursday .	26	..	30·099	86·8	57·5	29·3	71·3	59·8	138·6	48·6	63·4	62·4	11·5	23·5	0·6	+11·0	67	Calm, NE, & E.	ESE. & E.	1·3	0·0	0·1	153	0·00	5
Friday . .	27	..	30·130	84·2	58·9	25·3	71·5	61·6	141·7	50·3	64·4	62·7	9·9	20·7	1·9	+11·4	71	Calm & ENE	ESE. & E.	1·6	0·0	0·1	186	0·00	3
Saturday .	28	..	29·941	89·0	58·2	30·8	71·9	55·6	142·5	48·0	65·4	63·4	16·3	33·0	0·0	+12·0	57	ESE. & Calm	ESE. & Calm	0·6	0·0	0·0	120	0·00	4
Means . .		..	30·078	82·9	56·7	26·1	68·4	57·6	133·7	48·2	63·7	62·5	10·8	23·1	1·6	+ 8·0	69			..	..	..	Sum 1002	Sum 0·00	3·0
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. August.		Electricity.	Sky and Atmosphere.
Sunday .	22	" Weak positive at noon; no electricity at other times.	Cloudless but hazy in the morning; variable amounts of cloud then prevailed till about 9h. P.M.; afterwards generally overcast.
Monday .	23	No electricity was shown.	Very fine. Light clouds were generally prevalent,
Tuesday .	24	Weak negative in the afternoon and evening.	A fine day. Cloudless in the morning and evening; small amounts of light cloud prevailed during the remainder of the day.
Wednesday	25	No electricity was shown.	Very fine. Cloudless throughout the day. Hazy.
Thursday .	26	Weak positive at night.	Cloudless but hazy during the day. A little stratus on N.W. horizon at night. Very fine.
Friday .	27	No electricity was shown.	Cloudless. Very fine.
Saturday .	28	No electricity was shown.	Very fine. Cloudless throughout.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 30·10 in. at the beginning of the week to 30·17 in. by 9h. P.M. on the 22d; decreased to 30·03 in. by 3h. P.M. on the 24th; increased to 30·16 in. by 9h. A.M. on the 27th; and decreased to 29·87 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 35. 1869. Vol. XXX.] Week ending Saturday, September 4. [Price 1*d.*

General Register Office, Somerset House, 6th September 1869.

In the week that ended on Saturday, 4th September, 4472 births, and 3179 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 25 per 1000 persons living.

The annual rate of mortality last week was 23 per 1000 in London, 26 in Edinburgh, and 25 in Dublin; 18 in Bristol, 26 in Birmingham, 35 in Liverpool, 29 in Manchester, 24 in Salford, 29 in Sheffield, 24 in Bradford, 29 in Leeds, 37 in Hull, 22 in Newcastle-upon-Tyne, and 26 in Glasgow.

In the eleven large English towns, including London, 449 deaths were last week referred to diarrhœa, showing but a slight further decrease upon the four previous weeks, in which they had steadily declined from 741 to 456; the annual death-rate last week in these towns from this disease again averaged 4 per 1000 persons living. The annual death-rate from diarrhœa in the several towns varied from 1 and 2 per 1000 in Newcastle and Bristol, to 8 and 9 per 1000 in Birmingham and Hull.

In Paris the annual rate of mortality in the week ending last Saturday (4th September) was 25 per 1000. The rate in Berlin during the seven days ending 2d instant was 31 per 1000, and in Vienna 25 per 1000 during the week ending 28th ultimo.

In London the births of 1128 boys and 1028 girls, in all 2156 children, were registered last week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2072.

The deaths registered in London during the week were 1391. It was the thirty-fifth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1353. The deaths in the present return exceed by 38 the estimated amount, but are less by 72 than the number recorded in the preceding week.

The deaths from zymotic diseases were 538, the corrected average number being 467. Five deaths from small-pox, 19 from measles, 170 from scarlatina, 7 from diphtheria, 75 from whooping-cough, 9 from typhus fever, 25 from enteric fever, 12 from simple continued fever, and 161 from diarrhœa were registered.

The mortality from scarlet fever continues to increase. Of 36 deaths from scarlet fever registered in the North districts, 11 occurred in the district of Islington, and 13 in the district of Hackney. Of 58 deaths from scarlet fever registered in the East districts, 18 occurred in the district of Shoreditch, 17 in the district of Bethnal-green, and 11 in the district of Bow and Poplar. Of the 43 deaths from scarlet fever registered in the South districts, 7 occurred in Bermondsey, 10 in St. George Southwark, 5 in Rotherhithe, and 5 in Greenwich.

The mortality from diarrhœa continues to decrease; the deaths of 147 children and 14 adults from this disease were registered last week. In the four preceding weeks the total numbers were 394, 346, 264, and 195.

Six children died from simple cholera or choleraic diarrhœa.

The deaths of 2 persons from intemperance, of 3 persons from delirium tremens, of one infant from syphilis, of 14 persons from fractures, of 7 persons from drowning, of 4 children from suffocation, and of 5 persons who committed suicide were registered.

The following deaths of 2 children and one adult who were killed by horses or carriages in the streets were recorded:—

The son of a labourer, aged 1 year, "run over by a cart." Died on 25th August in Malden-road, Kentish Town. (*Inquest.*)

The son of a shoe manufacturer, aged 4 years, "run over by a cart." Died on 16th August at 48 Elmore-street, Islington East. *Post mort.* (*Inquest.*)

A builder, aged 77 years, "knocked down by an omnibus on London Bridge." Died on 28th August in Guy's Hospital. *Post mort.* (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 30·043 in. The barometrical reading decreased from 30·26 in. on Wednesday, 1st September, to 29·67 in. by the end of the week. The mean temperature of the air in the week was 56·1°, which is 2·9° below the average of the same week in 50 years (as determined by Mr. Glaisher). The mean temperature was below the average on every day except Saturday, 4th September. The highest day temperature was 74·7° on Saturday, 4th September. The lowest night temperature was 41·2° on Wednesday, 1st September. The entire range of temperature in the week was, therefore, 33·5°. The mean of the highest temperatures of the water of the Thames was 63·4°; that of the lowest was 61·4°. The difference between the mean dew-point temperature and air temperature was 11·3°. The mean degree of humidity of the air was 66, complete saturation being represented by 100. No rain fell. On Wednesday, 1st September, a dense fog prevailed during the early morning. The general direction of the wind was N.E. and N.N.E.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 159,367 cubic metres, and at Barking 181,739 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Thirty-fifth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1711	1849	1725	1852	1705	1867	2019	1780	2085	2247	1884·0	2156
Males . .	878	944	874	912	865	970	1002	881	1034	1121	948·1	1128
Females . .	833	905	851	940	840	897	1017	899	1051	1126	935·9	1028
Total Deaths	1047	1018	1127	1147	1334	1441	1131	1413	1288	1356	1230·2	1391*
Males . .	532	523	577	609	667	711	556	704	671	682	623·2	748
Females . .	515	495	550	538	667	730	575	709	617	674	607·0	643

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	June 12.	June 19.	June 26.	July 3.	July 10.	July 17.	July 24	July 31.	Aug. 7.	Aug. 14.	Aug. 21.	Aug. 28.	Sept. 4.
Deaths - - - -	1305	1236	1381	1231	1279	1313	1600	1646	1630	1591	1527	1463	1391*
Deaths under 5 years of age -	553	549	590	528	541	652	897	967	972	920	810	767	740
Deaths under 20 years of age	661	652	693	642	660	758	1010	1080	1100	1039	916	892	886
Deaths 20—40 - - -	194	170	204	172	194	150	161	181	159	166	184	153	162
Deaths 40–60 - - -	212	196	227	196	205	204	184	204	163	187	201	177	153
Deaths at 60 years of age and upwards - - -	238	218	257	221	220	201	245	181	208	199	226	241	190
Deaths from Smallpox - -	8	3	1	4	4	2	5	4	2	5	5	5	5
„ „ Measles - -	28	28	23	22	29	35	23	33	25	31	21	20	19
„ „ Scarlet Fever -	54	60	65	75	85	77	75	88	100	114	132	143	170
„ „ Diphtheria -	3	6	6	4	6	4	4	3	8	6	5	6	7
„ „ Whooping-cough	96	93	76	90	69	77	67	67	65	68	60	87	75
„ „ Typhus fever -	12	10	10	12	12	14	8	18	6	10	13	10	9
„ „ Enteric fever -	18	19	18	14	18	17	21	16	22	12	17	18	25
„ „ Simple Cont^{d} fever	9	9	10	14	12	11	14	10	10	3	5	13	12
„ „ Diarrhœa - -	11	17	28	20	30	102	253	384	394	346	264	195	161
„ „ Phthisis - -	166	171	197	174	144	163	166	176	156	162	172	130	143
„ „ Bronchitis - -	97	99	108	85	92	80	64	48	65	50	54	53	50
„ „ Pneumonia -	74	59	64	61	52	52	76	46	40	48	55	36	53
„ „ Heart Disease -	65	62	90	45	57	55	55	49	40	59	49	53	43
Mean Temperature of the Air	59°·0	51°·3	54°·3	56°·9	64°·2	66°·9	66°·0	64°·0	59°·8	58°·5	58°·7	68°·4	56°·1
Mean Temperature of the Water of the Thames -	57·3	56·1	56·1	58·9	62·0	64·4	67·4	66·5	64·0	61·8	60·5	63·1	62·4
Humidity of the Air - -	73	80	83	73	73	72	76	77	77	77	74	69	66
Rain-fall in inches - -	0·00	0·84	0·20	0·00	0·00	0·14	0·00	0·41	0·47	0·73	0·01	0·00	0·00

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Lee was not received when the tables were under preparation, but an average of 4 is substituted for the true number, which is 1.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 4th day of September 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 4th Sept.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 4th Sept.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4472**	**3244**	**3179**	**74·7**	**33·4**	**53·3**	**0·06**	**6**	**23·72**	**0·78**	**11·84**	**15**
London (Metropolis . .	3,170,754	40·7	2070	2156	1462	1391	74·7	41·2	56·1	0·00	0	23·72	5·11	13·39	0
Bristol . . (City) .	169,423	36·1	109	111	76	57 *	69·7	35·7	53·1	0·00	0	20·95	2·06	11·73	0
Birmingham . (Borough) .	360,846	46·1	283	187	175	182	73·8	39·2	53·7	0·00	0	23·23	4·00	12·06	0
Liverpool . . (Borough) .	509,052	99·7	345	396	295	339	..	..	..	..	..	..	..	..	..
Manchester . (City) .	370,892	82·7	277	269	210	205 *	..	..	..	..	..	..	..	..	..
Salford . . (Borough) .	119,350	23·1	89	91	60	56	71·5	36·5	53·3	0·04	4	21·95	2·50	11·84	10
Sheffield . . (Borough) .	239,752	10·5	196	170	126	131	71·0	36·5	53·0	0·00	0	21·67	2·50	11·67	0
Bradford . . (Borough) .	138,522	21·0	105	97	71	63	63·7	40·0	52·4	0·03	3	17·61	4·44	11·33	8
Leeds . . . (Borough) .	253,110	11·7	189	160	129	143	66·0	38·0	52·2	0·06	6	18·89	3·33	11·22	15
Hull . . . (Borough) .	126,682	35·6	83	83	59	91	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	122	69	54	..	..	..	..	..	..	..	..	..
Edinburgh . (City) .	178,002	40·2	112	105	86	88	64·7	35·0	52·6	0·00	0	18·17	1·67	11·45	0
Glasgow . . (City) .	458,937	90·6	374	361	268	228	..	..	..	..	..	..	..	..	..
Dublin (City and some suburbs)	320,762	32·9	219	164	158	151	68·4	33·4	53·6	0·45	45	20·22	0·78	12·01	114
Paris . . . (City) .	1,889,842	..	..	..	..	890	..	..	..	..	..	..	..	..	..
	(1863)			Week ending 28th Aug. 1869.		Week ending 28th Aug. 1869.	Week ending 28th August 1869.					Week ending 28th August 1869.			
Vienna . . (City) .	560,000	..	..	..	..	273	..	..	63·5	..	..	..	..	17·50	..
	(1867)			Week ending 2d Sept. 1869.		Week ending 2d Sept. 1869.	Week ending 2d September 1869.					Week ending 2d September 1869.			
Berlin . . (City) .	702,437	..	..	562	..	427	..	..	58·3	..	..	..	..	14·62	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 4th September, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2156	1391	5	19	170	7	75	46	161
WEST DISTRICTS -	338	209	-	1	12	1	11	6	28
NORTH DISTRICTS -	455	290	1	4	36	4	17	8	32
CENTRAL DISTRICTS	196	165	-	-	21	-	11	9	13
EAST DISTRICTS -	463	316	1	5	58	1	16	11	34
SOUTH DISTRICTS -	704	411	3	9	43	1	20	12	54
WEST DISTRICTS.									
St. Mary Paddington *WH*	41	20	-	-	2	-	-	-	2
St. John Paddington H	18	8	-	-	2	-	-	-	-
Kensington Town *W* -	70	28	-	-	2	-	-	-	3
Brompton H - -	20	11	-	-	-	-	-	-	2
St. Peter Hammersmith	1	1	-	-	-	-	-	-	-
St. Paul Hammersmith	12	13	-	-	2	-	1	-	2
Fulham *W* - - -	20	13	-	-	-	-	-	-	6
Chelsea South H - -	20	11	-	-	-	-	-	-	1
Chelsea North-west H*Ww*	16	9	-	-	-	-	2	-	1
Chelsea North-east -	11	9	-	1	-	-	3	-	1
Hanover Square - -	7	5	-	-	2	-	-	1	-
May Fair *W* - -	3	4	-	-	-	-	-	1	-
Belgrave H - - -	30	18	-	-	-	-	-	-	3
St. John Westminster -	24	20	-	-	1	-	3	2	3
St. Margaret West. *WH*	13	19	-	-	-	-	-	2	2
St. James's Square -	2	-	-	-	-	-	-	-	-
Golden Square *W* -	9	9	-	-	-	1	-	-	-
Berwick-street - -	10	5	-	-	-	-	2	-	1
St. Anne Soho - -	11	6	-	-	1	-	-	-	1
NORTH DISTRICTS.									
All Souls Marylebone H	17	12	-	-	2	-	1	-	1
Cavendish Square - -	6	4	-	-	-	-	-	-	-
Rectory Marylebone *W*	24	16	-	1	-	-	-	-	2
St. Mary Marylebone -	23	7	-	-	-	-	1	-	-
Christchurch Marylebone	17	17	-	1	3	-	1	-	2
St. John Marylebone -	22	8	-	-	1	-	-	-	1
Hampstead *W* - -	15	6	-	-	1	-	2	-	1
Regent's Park Pancras -	17	11	-	-	2	-	1	-	4
Tottenham-court *wH* -	12	16	-	-	1	-	1	-	1
Gray's Inn Lane H -	28	7	-	-	-	-	-	1	-
Somers Town - -	18	10	-	-	1	1	1	-	-
Camden Town *W* -	19	13	-	-	-	-	-	-	-
Kentish Town - -	35	25	-	-	1	-	2	3	1
Islington West* *WHH*	60	39	1	-	7	-	2	3	3
Islington East *Ww* -	77	36	-	-	4	1	3	1	9
Stoke Newington - -	6	5	-	-	1	-	-	-	-
Stamford Hill - -	4	1	-	-	-	-	-	-	1
West Hackney - -	15	12	-	1	-	2	1	-	1
Hackney *WHw* - -	22	29	-	1	4	-	1	-	3
South Hackney L -	18	16	-	-	8	-	-	-	2
CENTRAL DISTRICTS.									
St. George Bloomsbury -	12	6	-	-	-	-	2	-	-
St. Giles South *W* -	22	10	-	-	-	-	1	1	1
St. Giles North - -	9	6	-	-	-	-	1	-	1
Long Acre - - -	7	5	-	-	-	-	-	-	-
Charing Cross *WH* -	5	8	-	-	-	-	-	-	-
St. Mary-le Strand -	7	1	-	-	-	-	-	-	1
St. Clement Danes H -	7	10	-	-	-	-	1	1	2
‡St. George-the-Martyr H	14	16	-	-	5	-	-	1	-
St. Andrew, East Holb. *W*	9	11	-	-	-	-	1	1	1
Saffron Hill - - -	5	3	-	-	1	-	-	-	-
St. James Clerkenwell *W*	11	9	-	-	1	-	-	2	2
Amwell Clerkenwell -	6	4	-	-	1	-	-	-	1
Pentonville - - -	3	5	-	-	1	-	1	-	-
Goswell-street - -	7	5	-	-	1	-	1	-	-
Old-street - - -	14	4	-	-	1	-	-	-	-
City-road HL - -	14	9	-	-	5	-	1	-	1
Whitecross street - -	5	8	-	-	1	-	1	-	1
Finsbury - - -	8	6	-	-	-	-	1	1	1
St. Botolph East London	10	13	-	-	2	-	-	1	1
Cripplegate - - -	7	5	-	-	-	-	-	-	-
West London North *WH*	1	12	-	-	1	-	-	-	-
West London South -	5	2	-	-	1	-	-	-	-
London City South-west	-	2	-	-	-	-	-	-	-
London City North-west	2	1	-	-	-	-	-	-	-
London City South -	2	1	-	-	-	-	-	-	-
London City South-east	1	1	-	-	-	-	-	1	-
London City North-east	3	2	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	7	7	-	-	4	-	-	1	-
St. Leonard Shrdtch. L†	38	11	-	-	3	-	1	1	-
Hoxton New Town *w* -	29	9	-	-	2	-	-	-	-
Hoxton Old Town - -	18	9	-	-	-	-	-	1	1
Haggerstone West *W* -	19	17	-	-	6	-	1	-	2
Haggerstone East - -	17	15	-	-	3	1	-	-	1
Hackney road - -	27	16	-	-	2	-	2	1	4
Green, Bthnl.Grn. *WH*L†	29	19	-	-	5	-	1	-	-
Church, Bethnal Green	20	23	-	1	3	-	3	2	4
Town, Bethnal Green -	14	21	-	1	7	-	-	1	2
Artillery Whitechapel -	2	5	-	-	1	-	-	-	-
Spitalfields - - -	11	8	-	1	-	-	2	-	-
Mile End New Town *W*	8	15	-	-	4	-	-	1	-
Whitechapel North -	8	1	-	1	-	-	-	-	-
Whitechapel Church H	6	11	-	-	-	-	-	-	-
Goodman's Fields - -	3	2	-	-	-	-	-	-	1
Aldgate - - - -	1	9	-	-	1	-	1	-	-
St. Mary St. Geo. East -	16	8	-	-	-	-	-	-	4
St. Paul St. Geo. East -	9	7	-	-	2	-	-	-	1
St. John St. Geo. East *W*	9	8	-	-	1	-	-	1	1
Shadwell *W* - - -	8	5	-	-	-	-	-	-	-
Ratcliff *W* - - -	12	11	-	-	-	-	2	1	2
Limehouse *W* - -	30	10	1	-	2	-	-	-	-
Mile End Old Town, West	24	10	-	1	-	-	-	-	2
Mile End Old T., East *Ww*	46	12	-	-	1	-	-	-	3
Bow *ww*L† - - -	44	20	-	-	5	-	1	-	4
Poplar *W* - - -	38	27	-	-	6	-	2	1	2
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	6	4	-	-	-	-	-	-	2
St. Saviour Southwark H	12	6	-	1	1	-	-	-	1
St. Olave Southwark H	5	10	-	-	-	-	-	1	1
St. John Horsleydown *W*	8	9	1	-	1	-	-	-	1
St. James Bermondsey -	42	22	-	2	4	-	1	-	-
St. Mary Magdalen *W*	18	10	-	-	1	-	1	1	2
Leather Market - -	10	12	-	2	2	-	-	-	2
Kent-road - - -	15	15	1	-	8	-	-	-	-
Borough-road *W* - -	13	11	-	-	1	-	1	-	1
London-road L - -	11	9	-	-	1	-	-	1	2
Trinity Newington -	19	4	-	-	1	-	-	-	1
St. Peter Walworth *W*	36	22	-	1	4	-	1	1	2
St. Mary Newington H -	12	7	-	-	-	-	2	1	-
Waterloo-road 1st - -	8	2	-	-	-	-	-	-	1
Waterloo-road 2nd -	22	8	-	-	-	-	-	1	2
Lambeth Church 1st -	16	9	-	1	-	-	-	1	1
Lambeth Church 2nd *W*	35	21	-	-	1	-	1	1	3
Kennington 1st - -	22	8	-	-	-	-	-	1	1
Kennington 2nd - -	16	16	-	1	1	-	-	1	1
Brixton - - - -	23	6	-	-	-	-	1	-	2
Norwood *W* - - -	11	1	-	-	-	-	-	-	-
Clapham - - -	16	10	-	-	1	-	-	-	3
Battersea *Ww* - -	40	20	-	-	-	1	2	-	4
Wandsworth L - -	10	9	-	-	1	-	-	-	-
Putney - - - -	-	1	-	-	-	-	-	-	-
Streatham - - -	7	6	-	-	1	-	-	-	-
Dulwich - - -	2	1	-	-	-	-	-	-	1
Camberwell *WL*†*L*† -	11	15	-	-	-	-	1	-	1
Peckham - - -	31	12	1	1	-	-	-	-	2
St. George Camberwell -	24	9	-	-	-	-	2	-	-
Rotherhithe *W* - -	19	10	-	-	5	-	-	-	1
St. Paul Deptford - -	39	21	-	-	4	-	1	-	3
St. Nicholas Deptford -	4	3	-	-	2	-	-	-	-
Greenwich West H -	21	18	-	-	2	-	-	1	1
Greenwich East *WH* -	16	11	-	-	-	-	-	-	2
Eltham - - - -	3	1	-	-	-	-	1	-	-
Lee - - - -	6	4	-	-	-	-	-	-	8
Lewisham Village *W* -	7	11	-	-	1	-	-	-	2
Sydenham - - -	18	4	-	-	-	-	1	-	1
Charlton H - - -	2	3	-	-	-	-	1	-	1
Woolwich Dockyard H	19	9	-	-	-	-	1	1	2
Woolwich Arsenal H -	24	10	-	-	-	-	-	-	2
Plumstead, West - -	11	5	-	-	-	-	2	-	2
Plumstead, East - -	14	6	-	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh.	is in	Chelsea North-west	sub-district.
The Strand - -	,, ,,	Tottenham-court	sub-district.
West London - -	,, ,,	Islington East.	
East London - -	,, ,,	Hackney	sub-district.
St. Luke Middlesex	,, ,,	Hoxton New Town	sub-district.
London City - -	,, ,,	Mile End Old Town Eastern and Bow	sub-dist. sub-district.
Stepney - - -	,, ,,	Bow	sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.
§ The return for the sub-district of Lee contains *one* death from *diarrhœa*.

Deaths in London, from All Causes, Registered in the Thirty-fifth Week of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 3 1859	Sept 1 1860	Aug 31 1861	Aug 30 1862	Aug 29 1863	Sept 3 1864	Sept 2 1865	Sept 1 1866	Aug 31 1867	Aug 29 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 4, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	57°·5	58°·0	62°·5	58°·6	60°·0	60°·3	61°·4	60°·2	61°·7	58°·1	59°·8	56°·1						
	ALL CAUSES . . .	1047	1018	1127	1147	1334	1441	1131	1413	1288	1356	1230·2	1391†	740	883	161	153	161	29
	SPECIFIED CAUSES .	1040	1016	1122	1140	1324	1437	1109	1408	1262	1339	1219·7	1374	734	875	161	151	159	28
	(Classes.)																		
I.	ZYMOTIC DISEASES .	386	294	409	389	513	513	306	564	442	432	424·8	538	410	489	20	11	14	4
II.	CONSTITUTIONAL „ .	216	209	218	223	236	284	257	258	234	284	241·9	248	75	97	75	46	26	4
III.	LOCAL „ .	269	347	329	357	361	446	353	392	367	388	360·9	407	139	170	52	88	91	6
IV.	DEVELOPMENTAL „ .	139	132	126	124	167	165	144	145	178	191	151·1	139	96	96	5	..	24	14
V.	VIOLENT DEATHS . .	30	34	40	47	47	29	49	49	41	44	41·0	42	14	23	9	6	4	..
	(Orders.)																		
I.	1. Miasmatic Diseases . .	366	272	382	357	484	485	274	536	403	391	395·0	513	391	470	16	10	13	4
	2. Enthetic „ . .	7	6	7	3	6	6	8	8	8	12	7·1	2	1	1	..	..	1	..
	3. Dietic „ . .	9	13	15	24	20	18	18	14	23	20	17·4	17	12	12	4	1	..	..
	4. Parasitic „ . .	4	3	5	5	3	4	6	6	8	9	5·3	6	6	6	..	..	..	..
II.	1. Diathetic „ . .	30	36	41	46	49	51	45	44	48	48	43·8	40	5	5	3	12	16	4
	2. Tubercular „ . .	186	173	177	177	187	233	212	214	186	236	198·1	208	70	92	72	34	10	..
III.	1. Diseases of Nervous System . .	96	101	105	114	117	131	114	133	135	141	118·7	141	64	71	11	25	32	2
	2. „ of Organs of Circulation .	32	47	40	49	53	67	47	57	49	54	49·5	45	..	5	11	15	13	1
	3. „ of Respiratory Organs . .	66	120	102	120	101	149	112	111	91	100	107·2	120	61	68	10	15	25	2
	4. „ of Digestive Organs . .	54	55	61	53	53	59	46	56	60	64	56·1	58	10	16	11	18	13	..
	5. „ of Urinary Organs . . .	15	15	15	8	27	22	20	19	21	18	18·0	24	2	4	4	12	4	..
	6. „ of Organs of Generation .	1	6	1	4	1	8	8	4	5	5	4·3	5	..	..	2	2	1	..
	7. „ of Organs of Locomotion .	1	..	2	2	3	10	1	8	4	4	3·5	8	..	4	3	1	..	..
	8. „ of Integumentary System .	4	3	3	7	6	..	5	4	2	2	3·6	6	2	2	..	..	3	1
IV.	1. Dev. Diseases of Children	26	21	27	34	29	34	42	24	35	35	30·7	36	36	36	..	..	..	..
	2. „ of Adults . .	3	7	2	2	4	6	8	9	7	7	5·5	5	..	..	5	..	..	..
	3. „ of Old People	45	32	38	33	63	41	34	45	46	46	42·3	30	..	..	..	..	16	14
	4. Diseases of Nutrition .	65	72	59	55	71	84	60	67	90	103	72·6	68	60	60	..	..	8	..
V.	1. Accident or Negligence .	25	30	36	39	42	23	45	39	33	36	34·8	36	14	23	6	5	2	..
*	3. Homicide	1	..	..	2	1	2	2	3	5	1	1·7	1	..	..	1	..	..	..
	4. Suicide	4	4	4	6	4	4	2	7	3	6	4·4	5	..	..	2	1	2	..
	5. Execution	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths not classed	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	Sudden Deaths, cause unascertained	4	1	..	3	1	..	2	2	..	..	1·3	..	..	..	..	..	..	..
	Causes not specified . .	3	1	5	4	9	4	20	3	26	17	9·2	17†	6	8	..	2	2	1

* Order 2., comprising Violent Deaths in Battle, is omitted as inapplicable to the civil population.

† An average of 4 is added, without distinction of ages. See note *, page 306.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 3 1859	Sept 1 1860	Aug 31 1861	Aug 30 1862	Aug 29 1863	Sept 3 1864	Sept 2 1865	Sept 1 1866	Aug 31 1867	Aug 29 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 4, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	57·5	58·0	62·5	58·6	60·0	60·3	61·4	60·2	61·7	58·1	59·8	Mean Temp. 56·1						
I.	ORDER 1.																		
	1. Small-pox	27	7	5	9	31	7	12	31	24	7	16·0	5	2	4	1	..	..	..
	2. Measles	15	43	8	42	11	58	22	44	13	21	27·7	19	18	19	..	..	..	..
	3. Scarlet Fever (Scarlatina)	55	37	34	50	127	62	39	27	26	57	51·4	170	115	167	3	..	..	..
	4. Diphtheria	13	3	16	12	14	18	8	7	11	5	10·7	7	5	6	1	..	..	..
	5. Quinsy	..	1	2	1	1	1	1	1	1	..	·9	4	2	3	..	..	1	..
	6. Croup	3	8	25	20	15	20	9	18	9	6	13·3	11	11	11	..	..	..	..
	7. Whooping-cough	15	20	44	19	29	23	26	27	22	24	24·9	75	73	75	..	..	..	..
	8. Typhus	49	33	41	77	49	87	51	41	38	51	51·7	9	2	5	3	1	..	..
	— Enteric Fever												25	8	16	4	4	..	1
	— Simple continued Fever												12	4	9	1	2	..	..
	9. Erysipelas	2	7	3	7	7	10	6	8	2	7	5·9	2	..	..	..	1	1	..
	10. Puerperal Fever (Metria)	2	5	2	3	3	2	2	..	1	4	2·4	..	..	..	..	..	..	..
	11. Carbuncle	3	..	..	..	..	2	..	2	..	..	·7	1	..	..	..	..	1	..
	12. Influenza	1	..	..	..	..	1	..	..	..	2	·4	..	..	..	..	..	..	..
	13. Dysentery	16	3	3	3	2	..	1	2	1	1	3·2	2	..	..	1	..	..	1
	14. Diarrhœa	156	91	183	93	181	180	89	128	226	186	151·3	161	145	147	1	2	9	2
	15. Simple Cholera	5	5	14	13	11	9	4	198	22	10	29·1	6	6	6	..	..	..	..
	16. Ague	..	2	..	2	..	1	..	..	..	..	·5	..	..	..	..	..	..	..
	17. Remittent fever	1	1	1	2	..	..	1	..	..	..	·6	..	..	..	..	..	..	..
	18. Rheumatism	3	6	1	4	3	4	3	2	7	10	4·3	4	..	2	1	..	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	6	4	5	3	6	5	6	5	6	10	5·6	1	1	1	..	..	..	..
	2. Stricture of Urethra	1	2	2	..	..	1	2	3	2	1	1·4	1	..	..	..	..	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	1	..	1	..	..	1	..	..	..	·3	..	..	..	..	..	..	..
	2. Want of Breast-milk	4	5	9	16	14	13	12	10	19	14	11·6	11	11	11	..	..	..	..
	3. Purpura and Scurvy	..	..	3	1	1	..	..	3	1	1	1·0	1	1	1	..	..	..	..
	4. Alcoholism *a* Del. Tremens	3	5	1	4	3	3	1	..	2	3	2·5	3	..	..	3	..	..	..
	4. Alcoholism *b* Intemperance	2	2	2	2	2	2	4	1	1	2	2·0	2	..	..	1	1	..	..
	ORDER 4.																		
	1. Thrush	4	3	5	5	3	4	6	6	8	9	5·3	6	6	6	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	1	3	2	2	2	3	1	1	1	1·7	2	..	..	..	1	1	..
	2. Dropsy	8	12	9	12	11	10	13	10	8	12	10·5	23	5	5	2	5	10	1
	3. Cancer	17	19	23	29	34	37	27	28	36	33	28·3	13	..	..	1	6	3	3
	4. Cancrum Oris (Noma)	1	1	1	..	1	1	..	..	..	..	·5	..	..	..	..	..	..	..
	5. Mortification	3	3	5	3	1	1	2	5	3	2	2·8	2	..	..	..	..	2	..
	ORDER 2.																		
	1. Scrofula	7	10	9	9	6	21	14	6	8	6	9·6	6	6	6	..	..	..	..
	2. Tabes Mesenterica	34	16	22	17	30	34	27	25	35	41	28·1	38	35	38	..	..	..	..
	3. Phthisis	129	124	123	124	124	151	144	162	125	168	137·4	143	11	27	72	34	10	..
	4. Hydrocephalus	16	23	23	27	27	27	27	21	18	21	23·0	21	18	21	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	4	9	6	12	8	12	11	10	17	12	10·1	11	8	11	..	..	..	..
	2. Apoplexy	21	14	24	31	33	28	24	20	32	26	25·3	30	1	1	3	12	13	1
	3. Paralysis	15	19	20	17	12	27	27	41	16	23	21·7	23	..	..	1	6	15	1
	4. Insanity	..	1	1	2	2	2	1	2	..	1	1·2	3	..	..	..	3	..	..
	5. Chorea	..	..	..	..	1	1	..	..	1	..	·3	1	..	..	..	..	1	..
	6. Epilepsy	7	6	7	5	6	4	7	5	3	7	5·7	7	..	..	4	3	..	..
	7. Convulsions	37	38	28	29	36	36	29	41	57	54	38·5	55	53	55	..	..	..	..
	8. *Brain Disease, &c.*	12	14	19	18	19	21	15	14	9	18	15·9	11	2	4	3	1	3	..
	ORDER 2.																		
	1. Pericarditis	3	..	..	2	..	3	1	..	2	7	1·8	1	..	1	..	..	..	..
	2. Aneurism	1	1	1	2	2	1	3	2	1	2	1·6	1	..	..	1	..	..	..
	3. *Heart Disease, &c.*	28	46	39	45	51	63	43	55	46	45	46·1	43	..	4	10	15	13	1
	ORDER 3.																		
	1. Laryngitis	2	2	4	7	7	5	5	4	6	1	4·3	1	1	1	..	..	..	..
	2. Bronchitis	29	54	44	60	49	63	53	49	44	53	49·8	50	17	19	5	8	17	1
	3. Pleurisy	2	1	8	1	2	4	2	4	1	4	2·9	..	..	..	..	..	..	..
	4. Pneumonia	20	58	34	36	31	55	38	39	29	32	37·2	53	36	41	3	5	4	..
	5. Asthma	3	2	2	3	3	8	3	4	8	..	3·6	3	..	..	..	..	2	1
	6. *Lung Disease, &c.*	10	3	10	13	9	14	11	11	3	10	9·4	13	7	7	2	2	2	..
	ORDER 4.																		
	1. Gastritis	3	2	3	3	1	1	1	1	2	2	1·9	1	..	..	..	1	..	..
	2. Enteritis	3	10	6	7	8	6	6	10	6	5	6·7	6	5	5	..	1	..	..
	3. Peritonitis	5	5	3	4	4	4	..	3	5	3	3·6	8	1	4	3	1	..	..
	4. Ascites	5	6	..	4	2	3	2	1	4	3	3·0	2	..	..	..	2	..	..
	5. Ulceration of Intestines	2	3	5	2	3	3	4	3	3	2	3·0	7	2	3	1	2	1	..
	6. Hernia	4	2	6	1	1	3	..	1	6	6	3·0	1	..	..	1	..	..	..
	7. Ileus	5	2	5	2	3	1	2	2	5	1	2·8	4	2	3	..	1	..	..
	8. Intussusception	1	1	1	..	..	..	1	..	..	..	·4	2	..	..	..	..	2	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

in the THIRTY-FIFTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 3 1859	Sept 1 1860	Aug 31 1861	Aug 30 1862	Aug 29 1863	Sept 3 1864	Sept 2 1865	Sept 1 1866	Aug 31 1867	Aug 29 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 4, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	57°·5	58°·0	62°·5	58°·6	60°·0	60°·3	61°·4	60°·2	61°·7	58°·1	59°·8	Mean Temp. 56°·1						
	9. Stricture of Intestines	1	1	..	1	..	2	3	1	..	1	1·0	1	..	..	1	..	..	..
	10. Fistula	1	..	..	..	..	..	2	..	..	..	·3	3	..	..	3	..	..	..
	11. *Stomach Disease, &c.*	7	6	5	3	4	6	5	7	9	6	5·8	2	..	..	..	..	2	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	13. Hepatitis	4	4	4	2	3	1	3	6	4	6	3·7	5	..	..	..	2	3	..
	14. Jaundice	7	..	1	4	4	9	2	1	3	9	4·0	1	..	..	..	1	..	..
	15. *Liver Disease, &c.*	6	13	22	20	20	19	14	20	13	20	16·7	15	..	1	2	7	5	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	1	..	..	1	2	1	1	..	..	1	·7	3	1	2	..	..	1	..
	2. Ischuria	..	..	..	..	1	..	1	1	1	1	·5	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	7	4	7	2	9	9	5	4	11	2	6·0	9	..	1	2	5	1	..
	4. Diabetes	..	1	1	1	2	3	1	4	..	1	1·4	2	..	..	1	1	..	..
	5. Calculus (Stone)	2	1	..	..	2	2	2	1	..	..	1·0	..	..	..	..	..	..	..
	6. Cystitis	..	2	1	..	..	1	1	..	1	2	·8	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	5	7	6	4	11	6	9	9	8	11	7·6	10	1	1	1	6	2	..
	ORDER 6.																		
	1. Ovarian Dropsy	..	..	..	..	..	1	1	..	1	..	·3	1	..	..	..	1	..	..
	2. *Uterus Disease, &c.*	1	6	1	4	1	7	7	4	4	5	4·0	4	..	..	2	1	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	1	..	2	2	3	10	1	8	4	4	3·5	8	..	4	3	1	..	..
	ORDER 8.																		
	1. Phlegmon	2	..	1	2	3	..	2	..	..	..	1·0	1	1	1	..	..	..	..
	2. Ulcer	1	2	1	2	..	..	2	4	1	..	1·3	3	..	..	..	..	2	1
	3. *Skin Disease, &c.*	1	1	1	3	3	..	1	..	1	2	1·3	2	1	1	..	..	1	..
IV.	ORDER 1.																		
	1. Premature Birth	17	11	11	17	15	20	20	10	23	16	16·0	21	21	21	..	..	..	..
	2. Cyanosis	2	..	1	3	1	3	2	..	1	4	1·7	..	..	..	..	..	..	..
	3. Spina Bifida	..	..	..	..	..	1	..	..	..	1	·2	1	1	1	..	..	..	..
	4. Other Malformations	3	1	2	1	..	1	4	..	..	3	1·5	2	2	2	..	..	..	..
	5. Teething	4	9	13	13	13	9	16	14	11	11	11·3	12	12	12	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	2	..	1	..	..	1	..	..	..	·4	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	5	2	1	4	6	7	9	7	7	5·1	5	..	..	5	..	..	..
	ORDER 3.																		
	1. Old Age	45	32	38	33	63	41	34	45	46	46	42·3	30	..	..	..	..	16	14
	ORDER 4.																		
	1. Atrophy and Debility	65	72	59	55	71	84	60	67	90	103	72·6	68	60	60	..	..	8	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	11	16	17	9	16	13	22	13	17	20	15·4	14	4	7	4	1	2	..
	2. Wounds	..	..	..	2	..	..	1	..	..	..	·3	2	..	1	..	1	..	..
	3. Burns and Scalds	2	2	5	1	3	..	4	4	2	3	2·6	3	3	3	..	..	..	..
	4. Poison	1	..	..	2	2	..	1	1	..	..	·7	1	..	..	..	1	..	..
	5. Drowning	5	8	10	11	9	4	9	12	10	7	8·5	7	..	4	1	2	..	..
	6. Suffocation	5	4	2	12	8	4	5	7	2	2	5·1	4	3	4	..	..	..	..
	7. Otherwise	1	..	2	2	4	2	3	2	2	4	2·2	5	4	4	1	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	1	..	..	2	1	2	2	3	5	1	1·7	1	..	..	1	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	1	..	..	1	..	..	..	..	..	·2	1	..	..	1	..	..	..
	1. Wounds { Cut, Stab	..	1	1	3	..	..	..	1	2	1	·9	1	..	..	..	..	1	..
	2. Poison	..	1	..	2	..	2	..	1	..	..	·6	..	..	..	..	..	..	..
	3. Drowning	1	..	..	..	1	1	2	1	..	1	·7	1	..	..	1	..	..	..
	4. Hanging	1	..	2	1	1	1	..	3	..	3	1·2	2	..	..	..	1	1	..
	5. Otherwise	2	1	1	..	1	..	..	1	1	1	·8	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	4	1	..	3	1	..	2	2	..	..	1·3	..	..	..	..	..	..	..
	Causes not specified or ill-defined	3	1	5	4	9	4	20	3	26	17	9·2	17†	6	8	..	2	2	1

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 4 is added, without distinction of ages. See note *, page 306.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 4th September 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
August.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	29	..	29·865	64·6	53·2	11·4	58·1	52·6	79·4	43·8	66·4	64·4	5·5	10·3	0·0	— 1·6	82	Calm & NNE.	NNE. & NE.	4·9	0·0	0·7	349	0·00	2
Monday . .	30	Last Quarter	30·089	65·8	47·0	18·8	55·2	41·2	129·2	48·5	65·4	63·4	14·0	21·1	8·0	— 4·2	59	NE.	NE. & NNE.	7·2	0·0	0·5	382	0·00	5
Tuesday .	31	..	30·186	68·1	42·1	26·0	55·1	41·4	131·5	29·5	63·4	61·4	13·7	23·6	3·7	— 4·1	60	NNE. & NE.	NE, ESE, & ENE.	1·5	0·0	0·1	218	0·00	5
September.																									
Wednesday	1	Greatest Dec. N.	30·247	68·6	41·2	27·4	54·9	42·4	136·3	30·4	62·4	60·4	12·5	23·9	3·1	— 4·1	63	NNE.	NE. & NNE.	1·6	0·0	0·2	201	0·00	1
Thursday.	2	..	30·195	61·4	48·3	13·1	54·6	43·7	84·4	37·8	63·4	61·4	10·9	16·5	5·5	— 4·1	67	NNE.	N. & NE.	1·1	0·0	0·1	192	0·00	3
Friday . .	3	..	29·999	62·8	49·6	13·2	53·8	45·2	79·9	46·6	62·4	60·4	8·6	18·2	0·0	— 4·6	73	Calm	SSE. & SE.	0·0	0·0	0·0	84	0·00	2
Saturday.	4	..	29·717	74·7	44·4	30·3	60·8	47·1	131·3	34·0	60·4	58·4	13·7	22·9	1·5	+ 2·6	61	SE, ESE, & E.	E., SE., & SW.	2·0	0·0	0·2	194	0·00	4
Means . .		..	30·043	66·6	46·5	20·0	56·1	44·8	110·3	38·7	63·4	61·4	11·3	19·5	3·1	— 2·9	66	NE. & NNE.		..	..	..	Sum 1620	Sum 0·00	3·1
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date.		Electricity.	Sky and Atmosphere.
August.			
Sunday .	29	No electricity was shown.	Very fine during the early morning; overcast throughout the remainder of the day.
Monday .	30		Variable amounts of cloud were prevalent; generally fine.
Tuesday .	31	Very weak negative was shown in the afternoon.	Light clouds prevailed during the morning; afterwards cloudless. A very fine day.
September.			
Wednesday	1	Weak positive at night.	Large amounts of cloud were prevalent till the evening; then cloudless. A dense fog prevailed during the early morning.
Thursday .	2	No electricity was shown.	Generally cloudy.
Friday .	3		Overcast and foggy in the morning; generally cloudy in the afternoon; cloudless at night.
Saturday .	4		Cloudless during the morning; overcast at night. Generally fine.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·87 in. at the beginning of the week to 29·80 in. by 9h. A.M. on the 29th; increased to 30·21 in. by 9h. A.M. on the 31st of August; decreased to 30·16 in. by 3h. P.M. on the same day; increased to 30·26 in. by 9h. A.M. on the 1st of September; was nearly without change till after midnight; and from this time decreased to 29·67 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 36. 1869. Vol. XXX.] WEEK ENDING SATURDAY, SEPTEMBER 11. [Price 1*d.*

General Register Office, Somerset House,
13th September 1869.

IN THE WEEK that ended on Saturday, 11th September, 4376 BIRTHS, and 3351 DEATHS, were registered in LONDON and in THIRTEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 27 per 1000 persons living.

The annual rate of mortality last week was 26 per 1000 in London, 24 in Edinburgh, and 22 in Dublin; 23 in Bristol, 25 in Birmingham, 31 in Liverpool, 29 in Manchester, 23 in Salford, 27 in Sheffield, 26 in Bradford, 32 in Leeds, 33 in Hull, 24 in Newcastle-upon-Tyne, and 27 in Glasgow.

The 452 deaths referred to diarrhœa last week in the above eleven large English towns showed an increase of three upon the declining numbers returned in the five previous weeks; the annual death-rate again averaging 4 per 1000 persons living. In the several towns, the annual death-rate from diarrhœa last week ranged from 2 per 1000 in Bristol, to 7 per 1000 in Leeds and Bradford, and 8 per 1000 in Birmingham. The fatality from scarlatina was greater last week in Liverpool, Sheffield, Hull, and Birmingham, as well as in London.

In Paris the annual rate of mortality in the week ending last Saturday (11th September) was 24 per 1000. The rate in Vienna was 25 per 1000 during the week ending 4th instant.

In LONDON the BIRTHS of 1069 boys and 1058 girls, in all 2127 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2055.

The DEATHS registered in LONDON during the week were 1601. It was the thirty-sixth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1332. The deaths in the present return exceed by 269 the estimated amount.

The deaths from zymotic diseases were 604, the corrected average number being 440. Five deaths from small-pox, 38 from measles, 179 from scarlet fever, 8 from diphtheria, 70 from whooping-cough, 12 from typhus fever, 22 from enteric fever, 18 from simple continued fever, and 185 from diarrhœa, were registered.

The deaths from measles, scarlet fever, and diarrhœa exhibit an increase on the numbers in the preceding week. Measles was most fatal in the East districts, scarlet fever in the East and South districts, and diarrhœa in the North, East, and South districts.

The deaths of 6 children and 2 adults from simple cholera or choleraic diarrhœa were recorded :—

PANCRAS; *Camden-town.*—In the Workhouse, on 30th August, a lawyer's clerk, aged 70 years, "British cholera."

POPLAR; *Bow.*—At 30 Mostyn-road, Bow, on 5th Sept., a pensioner, aged 70 years, "choleraic diarrhœa."

One hundred and sixty-eight deaths occurred from phthisis, 79 from bronchitis, 54 from pneumonia, and 48 from heart disease.

The deaths of 2 persons from intemperance, of 5 persons from delirium tremens, of 7 infants from syphilis, of 17 persons from fractures, of 7 children from burns or scalds, of 5 persons from drowning, of 6 children and one adult from suffocation, and of 6 persons who committed suicide were registered.

The son of a gas-fitter, aged 11 years, died on 8th September, at 10 Palmer's-place, Acorn-street, Camberwell, from "hydrophobia; bit by a rabid dog (20 days), spasmodic effects (3 days before death)." (*Inquest.*)

The following deaths of 3 persons (one child and 2 adults) who were killed by horses or vehicles in the streets were recorded :—

The son of a coachman, aged 7 months, "struck from his sister's arms, and run over by a hansom cab." Died instantly on 3d September in Chapel-street, Belgrave square. (*Inquest.*)

A gun-maker aged 62 years, "run over by a van." (*Manslaughter*). Died on 7th September in the London Hospital. *Post mort.* (*Inquest.*)

The widow of a pewterer, aged 55 years, "run over by a cart on London-bridge." Died on 2d September in Guy's Hospital. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·536 in. The barometrical reading decreased from 29·76 in. on Tuesday, 7th September, to 28·99 in. at the end of the week. The mean temperature of the air in the week was 63·5°, which is 5·7° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 80·0° on Sunday, 5th September. The lowest night temperature was 51·6° on Saturday, 11th September. The entire range of temperature in the week was, therefore, 28·4°. The mean of the highest temperatures of the water of the Thames was 61·2°; that of the lowest was 59·6°. The difference between the mean dew-point temperature and air temperature was 8·2°. The mean degree of humidity of the air was 75, complete saturation being represented by 100. Rain fell during the week to the amount of 0·69 in., of which 0·40 in. fell on Friday, 10th September. The rain-fall at Sheffield on Sunday, 5th September, amounted to 1·16 in., and on Saturday, 11th September, to 0·82 in. The general direction of the wind was S.W. and S.S.W.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 204,598 cubic metres, and at Barking 186,903 cubic metres, equivalent to about as many tons by weight.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of August 1869: thus, according to their account, 106,414,863 gallons or 483,492 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 103·4 decalitres, rather more than a *ton* by weight, to each house, and 14·6 decalitres (= 32·1 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of August, it may be estimated that about 87,456,340 gallons were probably used for domestic purposes, or about 26·4 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	July 1869.	August 1869.	July 1869.	August 1869.
Total Supply . . .	466,969	467,577	110,094,058	106,414,863
From Thames	213,199	213,616	56,993,196	54,562,627
From Lea and from other Sources . .	253,770	253,961	53,100,862	51,852,236
Thames.				
Chelsea	27,212	27,212	9,681,400	9,318,200
West Middlesex	39,720	39,760	9,501,568	9,039,091
Southwark and Vauxhall . . .	72,483	72,517	14,531,976	14,572,776
Grand Junction	30,599	30,698	11,409,952	9,984,760
Lambeth	43,185	43,429	11,868,300	11,647,800
Lea and other Sources.				
New River	116,511	116,702	25,466,000	24,848,000
East London	98,944	98,944	19,540,900	19,266,000
Kent	38,315	38,315	8,093,962	7,738,236

Note.—The Return for August as compared with that for July shows an increase of 608 houses, and a decrease of 3,679,195 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Thirty-sixth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1701	1747	1768	1827	1863	1939	1905	1905	2038	1995	1868·8	2127
Males . .	875	887	871	922	925	954	973	967	1064	991	942·9	1069
Females .	826	860	897	905	938	985	932	938	974	1004	925·9	1058
Total Deaths	1111	968	1121	1179	1232	1352	1179	1335	1283	1352	1211·2	1601*
Males . .	539	503	555	635	629	689	595	648	657	684	613·4	773
Females .	572	465	566	544	603	663	584	687	626	668	597·8	828

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

* The return for the south-east sub-district of London City was not received when the Tables were under preparation, but an average of 2 is substituted for the true number, which is 5.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 11th day of September 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births.		Deaths.		Temperature of the Air. (Fahrenheit.)			Rain Fall.		Temperature of the Air. (Centigrade.)			Rain Fall per Hectare in Metric Tons.
			Corrected Average Weekly Number in 10 Years 1851-60.	Registered during the Week ending 11th Sept.	Corrected Average Weekly Number in 10 Years 1851-60.	Registered during the Week ending 11th Sept.	Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	In Inches.	In Tons per Acre.	Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4376**	**3244**	**3351**	**80·0**	**45·5**	**60·3**	**1·32**	**133**	**26·67**	**7·50**	**15·73**	**335**
London (Metropolis)	3,170,754	40·7	2070	2127	1462	1601	80·0	51·6	63·5	0·69	70	26·67	10·90	17·50	175
Bristol (City)	169,423	36·1	109	137	76	74 *	75·4	48·0	62·1	1·16	117	24·11	8·89	16·73	295
Birmingham (Borough)	360,846	46·1	283	221	175	175	72·8	49·7	61·0	0·80	81	22·67	9·83	16·11	203
Liverpool (Borough)	509,052	99·7	345	330	295	304	73·2	50·1	59·3	1·86	188	22·89	10·06	15·17	473
Manchester (City)	370,892	82·7	277	267	210	203 *	75·0	49·0	60·0	1·65	167	23·89	9·44	15·56	419
Salford (Borough)	119,350	23·1	89	93	60	53	73·4	48·6	60·2	1·87	189	23·00	9·23	15·67	475
Sheffield (Borough)	239,752	10·5	196	180	126	125	73·0	51·0	60·4	2·39	241	22·78	10·56	15·78	607
Bradford (Borough)	138,522	21·0	105	78	71	69	72·5	52·5	60·0	1·58	160	22·50	11·39	15·56	401
Leeds (Borough)	253,110	11·7	189	166	129	157	74·0	52·0	61·0	1·18	119	23·33	11·11	16·11	300
Hull (Borough)	126,682	35·6	83	77	59	80	73·0	48·0	60·1	1·54	156	22·78	8·89	15·62	391
Newcastle-on-Tyne (Borough)	130,503	24·5	90	121	69	59	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	125	86	82	68·7	48·0	57·8	1·20	121	20·39	8·89	14·34	305
Glasgow (City)	458,937	90·6	374	304	268	234	68·6	49·7	58·4	0·80	81	20·34	9·83	14·66	203
Dublin (City and some suburbs)	320,762	32·9	219	150	158	135	73·5	45·5	59·8	0·43	43	23·06	7·50	15·45	109
Paris (City)	1,889,842 (1863)	..	..	Week ending 4th Sept. 1869.	..	872 Week ending 4th Sept. 1869.	..	Week ending 4th September 1869.				Week ending 4th September 1869.			
Vienna (City)	560,000 (1867)	..	..	.. Week ending 9th Sept. 1869.	..	270 Week ending 9th Sept. 1869.	..	..	59·2 Week ending 9th September 1869.	..	..	..	..	15·12 Week ending 9th September 1869.	..
Berlin (City)	702,437	..	..	..	..	..	..	..	..	..	..	..	..	..	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. Dr. Glatter, the Superintendent of Statistics in Vienna, and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 11th September 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2127	1601	5	38	179	8	70	52	185
WEST DISTRICTS -	328	246	-	3	10	-	8	5	31
NORTH DISTRICTS -	520	325	1	4	27	3	16	13	32
CENTRAL DISTRICTS -	205	201	-	4	26	-	9	8	11
EAST DISTRICTS -	433	365	1	20	62	2	27	11	44
SOUTH DISTRICTS -	641	464	3	7	54	3	10	15	67
WEST DISTRICTS.									
St. Mary Paddington *WH*	35	21	-	1	4	-	-	1	1
St. John Paddington H	13	13	-	-	1	-	1	-	1
Kensington Town *W* -	66	35	-	-	-	-	-	-	6
Brompton H - -	22	14	-	-	-	-	-	-	3
St. Peter Hammersmith	3	3	-	-	-	-	-	-	-
St. Paul Hammersmith	38	22	-	-	2	-	-	-	6
Fulham *W* - - -	12	13	-	-	-	-	-	1	3
Chelsea South H - -	19	13	-	-	-	-	1	-	1
ChelseaNorth-west H*Ww*	8	18	-	1	-	-	1	-	2
Chelsea North-east -	12	4	-	-	-	-	-	1	-
Hanover Square - -	3	4	-	-	-	-	-	-	-
May Fair *W* - -	6	7	-	-	-	-	-	-	-
Belgrave H - - -	33	25	-	-	1	-	-	-	4
St. John Westminster -	17	13	-	-	-	-	1	1	3
St. Margaret West. *WH*	15	18	-	-	-	-	3	1	-
St. James's Square -	4	1	-	-	-	-	-	-	-
Golden Square *W* -	6	9	-	-	-	-	1	-	-
Berwick-street - -	2	3	-	1	-	-	-	-	1
St. Anne Soho - -	14	10	-	-	2	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	23	8	-	-	-	-	-	-	-
Cavendish Square - -	8	5	-	-	1	-	-	-	-
Rectory Marylebone *W*	17	20	-	-	-	-	-	1	3
St. Mary Marylebone -	13	5	-	-	-	-	-	-	1
Christchurch Marylebone	22	14	-	1	2	-	1	1	2
St. John Marylebone -	25	17	-	-	2	-	1	1	3
Hampstead *W* - -	13	5	-	1	-	-	1	-	1
Regent's Park Pancras -	21	15	-	1	1	1	1	1	2
Tottenham-court *wH* -	19	16	-	-	1	-	-	1	1
Gray's Inn Lane H -	17	8	-	-	-	-	-	-	1
Somers Town - -	38	15	-	-	-	-	2	-	1
Camden Town *W* -	13	16	-	-	-	-	1	-	2
Kentish Town - -	54	27	-	1	1	1	2	1	4
Islington West* *WHH*	72	48	-	-	8	-	2	2	2
Islington East *Ww* -	86	61	-	-	2	1	2	1	6
Stoke Newington - -	2	-	-	-	-	-	-	-	-
Stamford Hill - -	3	-	-	-	-	-	-	-	-
West Hackney - -	20	12	-	-	2	-	-	1	1
Hackney *WHw* - -	33	24	1	-	5	1	1	3	1
South Hackney L -	21	9	-	-	2	-	2	-	1
CENTRAL DISTRICTS.									
St. George Bloomsbury -	4	13	-	-	-	-	2	-	3
St. Giles South *W* -	6	11	-	-	-	-	1	-	2
St. Giles North - -	9	11	-	1	-	-	1	1	-
Long Acre - - -	6	5	-	-	-	-	-	-	-
Charing Cross *WH* -	3	9	-	-	-	-	1	1	-
St. Mary-le-Strand -	5	1	-	-	-	-	-	-	1
St. Clement Danes H -	3	10	-	-	-	-	-	-	-
‡St. George-the-Martyr H	18	8	-	1	2	-	-	-	-
St. Andrew, East Holb. *W*	12	12	-	-	-	-	1	1	3
Saffron Hill - - -	5	2	-	-	-	-	-	-	-
St. James Clerkenwell *W*	17	17	-	-	2	-	1	2	-
Amwell Clerkenwell -	17	6	-	-	1	-	-	-	-
Pentonville - - -	11	7	-	-	-	-	1	-	-
Goswell-street - -	10	6	-	-	1	-	-	-	2
Old-street - - -	8	4	-	1	-	-	-	-	-
City-road HL - -	23	10	-	-	7	-	-	-	-
Whitecross-street - -	6	11	-	-	3	-	-	1	-
Finsbury - - -	5	6	-	-	1	-	-	-	-
St. Botolph East London	12	5	-	-	-	-	-	-	-
Cripplegate - - -	5	10	-	-	4	-	-	-	-
West London North *WH*	1	20	-	-	2	-	-	1	-
West London South -	8	8	-	1	2	-	-	1	-
London City South-west	3	-	-	-	-	-	-	-	-
London City North-west	2	2	-	-	1	-	-	-	-
London City South -	1	1	-	-	-	-	-	-	-
London City South-east	2	2	-	-	§	-	-	-	-
London City North-east	3	4	-	-	-	-	1	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	7	6	-	-	1	-	-	-	1
St. Leonard Shrdtch. L†	10	10	-	-	5	-	-	-	-
Hoxton New Town *w* -	19	17	-	1	1	-	-	1	1
Hoxton Old Town - -	17	5	-	-	-	-	1	-	-
Haggerstone West *W* -	24	17	-	-	-	2	2	1	2
Haggerstone East - -	17	12	-	-	-	-	1	-	4
Hackney-road - -	23	22	-	1	7	-	2	1	4
Green. Bthnl. Grn. *WHL*†	30	19	-	2	3	-	2	-	3
Church, Bethnal Green -	15	8	-	-	4	-	-	-	2
Town, Bethnal Green -	22	11	-	1	3	-	-	-	1
Artillery Whitechapel -	3	2	-	-	-	-	-	-	-
Spitalfields - - -	10	12	-	1	2	-	2	-	1
Mile End New Town *W*	2	10	-	-	2	-	2	1	-
Whitechapel North -	13	7	-	-	-	-	-	1	-
Whitechapel Church H	8	12	-	-	-	-	1	-	-
Goodman's Fields - -	6	6	-	-	1	-	-	1	1
Aldgate - - - -	1	4	-	-	1	-	1	-	1
St. Mary St. Geo. East -	15	17	-	1	4	-	3	-	2
St. Paul St. Geo. East -	15	19	-	-	2	-	1	1	2
St. John St. Geo. East *W*	7	11	-	1	2	-	-	-	2
Shadwell *W* - - -	5	4	-	-	1	-	-	-	-
Ratcliff *W* - - -	6	15	-	1	2	-	4	1	3
Limehouse *W* - -	17	15	-	-	4	-	2	-	1
Mile End Old Town, West	26	18	-	5	3	-	-	1	3
Mile End Old T., East *Ww*	31	25	1	-	3	-	1	1	1
Bow *ww*L† - - -	49	34	-	4	5	-	-	-	5
Poplar *W* - - -	35	27	-	2	6	-	2	1	4
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	4	-	-	-	-	-	-	1
St. Saviour Southwark H	6	6	-	-	-	-	-	-	-
St. Olave Southwark H	5	16	-	-	-	-	-	1	-
St. John Horsleydown *W*	4	5	-	-	-	-	1	-	-
St. James Bermondsey -	43	22	-	-	9	-	-	1	1
St. Mary Magdalen *W* -	12	4	-	-	-	1	-	-	-
Leather Market - -	14	11	-	-	2	-	1	1	2
Kent-road - -	17	12	1	1	3	-	-	1	1
Borough-road *W* - -	13	18	-	1	1	-	-	-	2
London-road L - -	13	15	-	-	-	-	-	2	-
Trinity Newington -	16	13	1	-	1	-	-	-	1
St. Peter Walworth *W*	31	21	-	1	5	-	-	-	-
St. Mary Newington H	11	11	-	-	3	-	-	-	2
Waterloo-road 1st -	11	10	-	-	-	-	1	-	3
Waterloo-road 2nd -	15	10	-	-	1	-	1	1	1
Lambeth Church 1st -	17	8	-	1	1	-	-	-	1
Lambeth Church 2nd *W*	22	24	-	-	4	-	1	1	4
Kennington 1st - -	37	12	-	-	-	-	-	1	3
Kennington 2nd - -	21	7	-	-	1	-	1	-	1
Brixton - - - -	17	10	-	-	1	-	1	-	3
Norwood *W* - - -	11	4	-	-	-	1	-	-	-
Clapham - - -	18	11	1	-	-	-	-	-	4
Battersea *Ww* - -	35	19	-	-	1	-	-	-	6
Wandsworth L - -	11	12	-	-	3	-	-	-	2
Putney - - - -	1	3	-	-	-	-	-	-	-
Streatham - - -	10	4	-	-	-	-	-	-	-
Dulwich - - -	1	1	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	20	16	-	-	1	-	-	1	2
Peckham - - -	35	10	-	2	1	-	-	-	2
St. George Camberwell -	30	16	-	-	2	-	-	-	2
Rotherhithe *W* - -	16	17	-	-	5	-	-	-	2
St. Paul Deptford - -	29	19	-	-	1	1	1	-	5
St. Nicholas Deptford -	8	6	-	-	1	-	-	1	-
Greenwich West H -	11	21	-	-	3	-	1	1	3
Greenwich East *WH* -	11	15	-	-	3	-	-	-	-
Eltham - - - -	2	3	-	-	-	-	-	-	1
Lee - - - -	7	6	-	-	-	-	1	-	2
Lewisham Village *W* -	7	1	-	-	-	-	-	-	-
Sydenham - - -	7	5	-	1	-	-	-	-	1
Charlton H - - -	6	7	-	-	-	-	-	1	1
Woolwich Dockyard H	5	8	-	-	-	-	-	-	2
Woolwich Arsenal H -	8	8	-	-	-	-	-	-	2
Plumstead, West - -	8	6	-	-	-	-	-	-	2
Plumstead, East - -	10	7	-	-	1	-	-	-	2

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - " " Tottenham-court sub-district.
West London - - " " Islington East.
East London - - " " Hackney sub-district.
St. Luke Middlesex - " " Hoxton New Town sub-district.
London City - - " " Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - " " Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.
§ The return for the South-east sub-district of London City contains *one* death from *scarlatina*.

DEATHS in LONDON, from ALL CAUSES, Registered in the THIRTY-SIXTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 10 1859	Sept 8 1860	Sept 7 1861	Sept 6 1862	Sept 5 1863	Sept 10 1864	Sept 9 1865	Sept 8 1866	Sept 7 1867	Sept 5 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 11, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	58°·0	56°·0	62°·4	57°·0	57°·8	61°·1	67°·4	58°·5	63°·2	65°·3	60°·7	Mean Temp. 63°·5						
	ALL CAUSES	1111	968	1121	1179	1232	1352	1179	1335	1283	1352	1211·2	1601†	851	984	183	198	188	46
	SPECIFIED CAUSES	1092	944	1110	1167	1220	1348	1165	1328	1280	1345	1199·9	1593	851	981	182	197	187	46
	(CLASSES.)																		
I.	ZYMOTIC DISEASES	386	242	349	385	436	500	342	519	401	438	399·8	604	454	534	27	18	21	4
II.	CONSTITUTIONAL „	245	191	262	223	228	238	262	268	285	290	249·2	283	82	99	87	70	25	2
III.	LOCAL „	296	349	335	376	366	403	345	369	370	412	362·1	452	157	182	48	103	107	12
IV.	DEVELOPMENTAL „	139	127	133	140	144	163	168	134	184	165	149·7	204	143	143	10	..	25	26
V.	VIOLENT DEATHS	26	35	31	43	46	44	48	38	40	40	39·1	50	15	23	10	6	9	2
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES	364	222	321	363	409	471	314	490	367	394	371·5	570	433	511	25	14	17	3
	2. ENTHETIC „	2	5	7	8	4	8	7	5	5	15	6·6	10	7	8	..	1	1	..
	3. DIETIC „	17	13	14	10	20	17	15	17	23	18	16·4	17	7	8	2	3	3	1
	4. PARASITIC „	3	2	7	4	3	4	6	7	6	11	5·3	7	7	7	..	..	..	..
II.	1. DIATHETIC	54	36	32	37	42	43	43	29	51	53	42·0	47	6	6	3	24	12	2
	2. TUBERCULAR „	191	155	230	186	186	195	219	239	234	237	207·2	236	76	93	84	46	13	..
III.	1. DISEASES OF NERVOUS SYSTEM	101	103	114	107	129	136	126	130	137	153	123·6	150	66	71	13	25	34	7
	2. „ OF ORGANS OF CIRCULATION	50	47	41	53	49	43	54	44	49	58	48·8	53	1	5	11	19	17	1
	3. „ OF RESPIRATORY ORGANS	74	119	108	132	111	138	85	113	81	104	106·5	154	73	85	11	22	32	4
	4. „ OF DIGESTIVE ORGANS	43	45	47	48	52	61	52	49	62	62	52·1	50	10	11	9	15	15	..
	5. „ OF URINARY ORGANS	18	19	16	23	15	18	17	22	19	22	18·9	28	3	4	4	14	6	..
	6. „ OF ORGANS OF GENERATION	..	3	4	5	2	4	3	3	4	3	3·1	3	1	1	..	2	..	..
	7. „ OF ORGANS OF LOCOMOTION	5	3	1	4	4	3	1	4	14	4	4·3	6	..	2	..	2	2	..
	8. „ OF INTEGUMENTARY SYSTEM	5	10	4	4	4	..	7	4	4	6	4·8	8	3	3	..	4	1	..
IV.	1. DEV. DISEASES OF CHILDREN	31	29	29	28	32	33	40	41	44	38	34·5	36	36	36	..	..	..	..
	2. „ OF ADULTS	5	5	2	6	4	7	4	7	3	6	4·9	8	..	..	8	..	..	..
	3. „ OF OLD PEOPLE	31	28	38	46	44	43	48	24	33	32	36·7	45	..	..	..	..	19	26
	4. DISEASES OF NUTRITION	72	65	64	60	64	80	76	62	104	89	73·6	115	107	107	2	..	6	..
V.	*1 ACCIDENT OR NEGLIGENCE	24	27	29	32	37	38	37	33	34	33	32·4	42	14	21	8	6	5	2
	3. HOMICIDE	1	1	2	5	1	2	7	1	1	2	2·3	2	1	1	..	..	1	..
	4. SUICIDE	1	6	..	6	8	4	4	3	4	3	3·9	6	..	1	2	..	3	..
	5. EXECUTION	..	1	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	1	1	2	·4	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	5	1	2	4	7	1	4	2	1	..	2·7	1	..	..	1	..	..	..
	CAUSES NOT SPECIFIED	14	23	9	8	5	3	10	5	2	7	8·6	7†	3	3	..	1	1	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

† An average of 2 is added, without distinction of ages. See note *, page 314.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 10 1859	Sept 8 1860	Sept 7 1861	Sept 6 1862	Sept 5 1863	Sept 10 1864	Sept 9 1865	Sept 8 1866	Sept 7 1867	Sept 5 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 11, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	58°0	56°0	62°4	57°0	57°8	61°1	67°4	58°5	63°2	65°3	60°7	Mean Temp 63°5						
I.	ORDER 1.																		
	1. Small-pox	25	5	1	6	29	19	10	25	13	1	13·4	5	2	3	1	..	1	..
	2. Measles	17	33	8	58	7	53	13	32	10	22	25·3	38	37	38	..	..	..	..
	3. Scarlet Fever (Scarlatina)	68	39	48	77	127	73	52	43	29	63	61·9	179	120	171	7	1	..	..
	4. Diphtheria	16	2	11	10	14	15	8	11	10	5	10·2	8	7	8	..	..	..	..
	5. Quinsy	2	2	..	1	..	3	3	..	1	..	1·2	1	1	1	..	..	..	..
	6. Croup	12	9	14	17	13	11	14	8	9	13	12·0	8	8	8	..	..	..	..
	7. Whooping-cough	18	27	47	23	27	37	31	21	21	34	28·6	70	67	70	..	..	..	..
	8. Typhus	30	24	21	54	44	98	53	44	42	49	45·9	12	1	6	5	1	..	..
	— Enteric Fever												22	5	14	3	5	..	..
	— Simple continued Fever												18	5	10	3	2	3	..
	9. Erysipelas	5	1	2	7	7	7	12	7	4	7	5·9	4	2	2	1	..	1	..
	10. Puerperal Fever (Metria)	3	2	..	6	1	2	4	4	4	1	2·7	4	..	..	4	..	..	..
	11. Carbuncle	..	2	..	..	..	1	1	..	..	1	·5	3	1	1	1	..	1	..
	12. Influenza	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	13. Dysentery	9	4	5	2	2	3	3	3	3	2	3·6	3	1	1	..	2	..	..
	14. Diarrhœa	148	61	147	83	123	132	89	132	198	173	128·6	185	170	171	..	3	8	3
	15. Simple Cholera	2	3	12	11	9	7	9	157	20	4	23·4	8	6	6	..	..	2	..
	16. Ague	..	..	..	1	..	1	3	..	..	1	·6	..	..	..	..	..	..	..
	17. Remittent Fever	3	2	..	1	..	5	..	2	..	1	1·4	..	..	..	..	..	..	..
	18. Rheumatism	6	6	4	6	6	4	9	1	3	15	6·0	2	..	1	..	..	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	2	·2	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	2	4	5	6	4	7	4	5	5	15	5·7	7	7	7	..	..	..	..
	2. Stricture of Urethra	..	1	2	2	..	1	2	..	..	..	·8	2	..	..	1	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
	4. Glanders	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	1	..	..	1	..	1	..	1	·4	1	..	..	..	..	1	..
	2. Want of Breast-milk	12	10	10	4	13	8	12	14	18	12	11·3	7	7	7	..	..	..	..
	3. Purpura and Scurvy	2	1	1	4	3	1	3	..	..	2	1·7	2	..	1	..	..	1	..
	4. Alcoholism (*a* Del. Tremens, *b* Intemperance)	..	1	1	1	3	6	..	2	3	3	2·0	5	..	..	2	2	1	..
		3	1	1	1	1	1	..	..	2	..	1·0	2	..	..	..	1	..	1
	ORDER 4.																		
	1. Thrush	3	2	6	4	3	4	6	7	6	11	5·2	7	7	7	..	..	..	..
	2. Worms, &c.	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	..	1	..	2	1	1	1	2	2	1·2	1	..	..	..	1	..	..
	2. Dropsy	16	16	13	12	15	10	8	10	11	12	12·3	14	4	4	2	4	3	1
	3. Cancer	30	16	15	22	20	27	29	18	34	38	24·9	30	..	..	1	19	9	1
	4. Cancrum Oris (Noma)	2	..	..	1	1	..	1	..	..	..	·5	..	..	..	..	..	..	..
	5. Mortification	4	4	3	2	4	5	4	..	4	1	3·1	2	2	2	..	..	..	..
	ORDER 2.																		
	1. Scrofula	5	7	12	11	7	13	11	7	9	4	8·6	3	3	3	..	..	..	..
	2. Tabes Mesenterica	28	10	29	25	23	24	27	33	38	42	27·9	38	38	38	..	..	..	..
	3. Phthisis	134	116	159	129	136	135	150	172	156	169	145·6	168	10	25	84	46	13	..
	4. Hydrocephalus	24	22	30	21	20	23	31	27	31	22	25·1	27	25	27	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	9	8	9	6	11	9	13	11	15	13	10·4	12	9	10	1	1	..	..
	2. Apoplexy	27	35	23	29	30	32	33	32	35	32	30·8	29	..	2	4	9	12	2
	3. Paralysis	20	17	24	20	29	24	20	22	22	43	24·1	30	..	..	3	11	12	4
	4. Insanity	1	..	..	3	..	1	1	..	2	..	·8	1	..	..	1	..	..	..
	5. Chorea	..	..	1	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	6. Epilepsy	5	6	10	8	5	9	3	1	7	6	6·0	6	..	1	2	1	2	..
	7. Convulsions	28	21	39	28	40	37	43	52	39	41	36·8	56	55	56	..	..	..	..
	8. *Brain Disease, &c.*	11	16	8	12	14	24	13	12	17	18	14·5	16	2	2	2	3	8	1
	ORDER 2.																		
	1. Pericarditis	2	1	1	1	3	2	2	..	1	1	1·4	2	..	..	1	..	..	1
	2. Aneurism	2	2	2	2	1	..	6	..	5	3	2·3	3	..	..	..	3	..	..
	3. *Heart Disease, &c.*	46	44	38	50	45	41	46	44	43	54	45·1	48	1	5	10	16	17	..
	ORDER 3.																		
	1. Laryngitis	2	5	5	5	4	3	1	2	4	6	3·7	5	3	4	..	1	..	..
	2. Bronchitis	26	56	50	57	52	73	37	51	38	42	48·2	79	30	32	6	14	25	2
	3. Pleurisy	1	2	..	3	2	1	2	2	3	..	1·6	4	..	..	1	1	2	..
	4. Pneumonia	34	44	43	50	38	44	33	47	28	42	40·3	54	34	42	3	4	4	1
	5. Asthma	4	3	5	4	4	3	2	2	3	7	3·7	2	..	..	..	..	1	1
	6. *Lung Disease, &c.*	7	9	5	13	11	14	10	9	5	7	9·0	10	6	7	1	2	..	..
	ORDER 4.																		
	1. Gastritis	1	2	3	2	3	..	2	1	..	1	1·5	..	..	..	..	..	..	..
	2. Enteritis	8	1	7	4	3	11	4	4	8	8	5·8	5	2	2	..	2	1	..
	3. Peritonitis	5	6	4	3	6	7	4	5	4	3	4·7	5	..	1	1	2	1	..
	4. Ascites	4	3	1	4	3	..	3	3	6	2	2·9	2	1	1	1	..	..	..
	5. Ulceration of Intestines	2	2	1	5	2	5	2	3	2	4	2·8	3	2	2	1	..	..	..
	6. Hernia	1	..	2	3	1	4	1	2	6	3	2·3	1	..	..	..	1	..	..
	7. Ileus	5	3	1	1	2	3	2	3	2	5	2·7	..	..	..	..	..	..	..
	8. Intussusception	1	..	2	..	1	1	2	..	2	..	·9	1	1	1	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

in the THIRTY-SIXTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 10 1859	Sept 8 1860	Sept 7 1861	Sept 6 1862	Sept 5 1863	Sept 10 1864	Sept 9 1865	Sept 8 1866	Sept 7 1867	Sept 5 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 11, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	58°0	56°0	62°4	57°0	57°8	61°1	67°4	58°5	63°2	65°3	60°7	63°5						
	9. Stricture of Intestines	..	..	..	..	3	1	1	..	..	1	·6	..	..	..	..	..	..	..
	10. Fistula	..	..	1	..	..	2	..	..	..	2	·5	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	4	6	6	7	8	5	6	1	4	3	5·0	7	1	1	1	2	3	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	1	3	3	2	3	3	..	1	5	4	2·5	2	..	..	1	1	..	..
	14. Jaundice	3	3	5	2	4	7	4	7	5	4	4·4	7	3	3	1	1	2	..
	15. *Liver Disease, &c.*	8	16	11	15	13	11	20	19	18	22	15·3	16	..	..	3	6	7	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	1	1	..	..	..	·2	1	..	..	..	..	1	..
	ORDER 5.																		
	1. Nephritis	..	3	..	..	1	1	1	..	1	3	1·0	2	1	1	..	1	..	..
	2. Ischuria	1	..	..	1	..	..	..	2	2	1	·7	1	1	1	..	..	..	..
	3. Bright's disease (Nephria)	8	6	9	10	7	11	6	10	7	8	8·2	12	..	..	3	7	2	..
	4. Diabetes	1	3	..	..	3	1	2	..	..	1	1·1	..	..	..	..	..	..	..
	5. Calculus (Stone)	..	1	2	1	..	2	..	1	1	..	·8	..	..	..	..	..	..	..
	6. Cystitis	..	2	1	3	1	1	1	..	..	4	1·3	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	8	4	4	8	3	2	7	9	8	5	5·8	12	1	2	1	6	3	..
	ORDER 6.																		
	1 Ovarian Dropsy	..	1	..	2	..	..	2	..	2	..	·7	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	..	2	4	3	2	4	1	3	2	3	2·4	3	1	1	..	2	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	5	3	1	4	4	3	1	4	14	4	4·3	6	..	2	..	2	2	..
	ORDER 8.																		
	1. Phlegmon	2	6	..	2	1	..	2	1	2	2	1·8	4	1	1	..	3	..	..
	2. Ulcer	2	1	2	..	2	..	2	2	..	2	1·3	2	1	1	..	1	..	..
	3. *Skin Disease, &c.*	1	3	2	2	1	..	3	1	2	2	1·7	2	1	1	..	..	1	..
IV.	ORDER 1.																		
	1. Premature Birth	15	10	14	15	18	20	24	22	26	25	18·9	20	20	20	..	..	..	..
	2. Cyanosis	2	1	2	2	2	..	3	1	3	4	2·0	1	1	1	..	..	..	..
	3. Spina Bifida	..	1	2	1	1	1	..	1	2	..	·9	..	..	..	..	..	..	..
	4. Other Malformations	2	2	2	3	..	2	1	2	4	1	1·9	..	..	..	..	..	..	..
	5. Teething	12	15	9	7	11	10	12	15	9	8	10·8	15	15	15	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	5	5	2	6	4	7	4	7	3	6	4·9	8	..	..	8	..	..	..
	ORDER 3.																		
	1. Old Age	31	28	38	46	44	43	48	24	33	32	36·7	45	..	..	..	..	19	26
	ORDER 4.																		
	1. Atrophy and Debility	72	65	64	60	64	80	76	62	104	89	73·6	115	107	107	2	..	6	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	11	10	16	16	16	13	13	17	15	8	13·5	17	1	4	5	4	2	2
	2. Wounds	..	2	..	..	2	3	1	..	1	..	·9	1	..	..	..	..	1	..
	3. Burns and Scalds	1	4	5	3	4	4	6	3	1	4	3·5	7	7	7	..	..	..	..
	4. Poison	..	..	..	1	1	..	1	3	..	..	·6	2	..	1	..	..	1	..
	5. Drowning	7	7	5	3	9	6	9	3	9	11	6·9	5	1	2	2	1	..	..
	6. Suffocation	5	3	2	9	3	7	6	6	7	5	5·3	7	4	6	..	..	1	..
	7. Otherwise	..	1	1	..	2	5	1	1	1	5	1·7	3	1	1	1	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	1	1	2	5	1	2	7	1	1	2	2·3	2	1	1	..	..	1	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	..	..	1	1	..	..	..	..	..	·2	..	..	..	..	..	..	..
	2. Poison	..	1	..	1	2	2	2	1	..	1	1·0	2	..	1	..	..	1	..
	3. Drowning	..	3	..	..	2	1	..	..	1	1	·8	2	..	..	1	..	1	..
	4. Hanging	..	2	..	3	2	1	1	..	..	1	1·0	1	..	..	..	..	1	..
	5. Otherwise	1	..	..	1	..	..	1	2	3	..	·8	1	..	..	1	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	1	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	1	1	2	·4	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	5	1	2	4	7	1	4	2	1	..	2·7	1	..	..	1	..	..	..
	Causes not specified or ill-defined	14	23	9	8	5	3	10	5	2	7	8·6	7†	3	3	..	1	1	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 2 is added, without distinction of ages. See note *, page 314.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 11th September 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shownby a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
September.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°								lbs.	lbs.	lbs.	Miles.	Inches	
Sunday .	5	..	29·614	80·0	59·0	21·0	66·4	57·2	141·7	53·0	59·4	58·4	9·2	22·1	0·0	+ 8·4	72	SSW. & SSE.	SSE, SSW, & S.	0·4	0·0	0·0	163	0·04	4
Monday .	6	New Perigee	29·576	71·0	58·9	12·1	62·0	55·2	124·3	52·8	59·4	58·4	6·8	11·1	0·0	+ 4·1	78	SSW.	WSW. & SW.	6·4	0·0	0·7	372	0·13	6
Tuesday .	7	..	29·722	74·0	58·6	15·4	64·8	56·7	132·3	55·0	62·4	60·4	8·1	17·3	2·9	+ 7·0	75	SW & WSW	WSW & SW	1·8	0·0	0·4	316	0·12	4
Wednesday	8	In Equator	29·648	75·7	61·5	14·2	66·7	57·8	123·3	54·6	62·4	60·4	8·9	15·0	3·4	+ 8·9	73	SW.	SSW.	3·5	0·0	0·4	271	0·00	4
Thursday .	9	..	29·629	75·9	58·1	17·8	64·5	53·8	132·8	51·2	61·4	59·4	10·7	18·0	1·5	+ 6·8	68	SW & SSW.	SSW. & SE.	2·4	0·0	0·3	219	0·00	4
Friday .	10	..	29·240	69·2	53·0	16·2	59·6	55·2	85·3	47·0	..	..	4·4	12·1	0·0	+ 1·9	85	Variable	SSW. & SW.	30·0	0·0	2·3	392	0·40	6
Saturday .	11	..	29·320	70·4	51·6	18·8	60·7	51·1	125·3	43·6	62·4	60·4	9·6	18·9	0·0	+ 3·1	71	SW & WSW	SW. & SSE.	3·3	0·0	0·5	314	0·00	5
Means . .		..	29·536	73·7	57·2	16·5	63·5	55·3	123·6	51·0	(6 days) 61·2	(6 days) 59·6	8·2	16·4	1·1	+ 5·7	75	SW. & SSW.		..	..	..	Sum 2047	Sum 0·69	4·7
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. September.		Electricity.	Sky and Atmosphere.
Sunday .	5	No electricity was shown.	Partially cloudy. Heavy showers of rain fell in the afternoon, accompanied by thunder; at night lightning was seen frequently. At Sheffield the rain-fall amounted to 1·16 inch; and at Bradford to 0·73 inch.
Monday .	6		Generally cloudy. Rain fell at intervals. The rain-fall at Leeds amounted to 0·60 inch; and at Bristol to 0·58 inch.
Tuesday .	7		Partially cloudy. Rain fell during the early morning hours.
Wednesday	8	Weak negative was shown at night.	A fine day; light clouds prevailed.
Thursday .	9	No electricity was shown.	A fine day; partially cloudy till evening; then cloudless. Lightning was seen frequently after 11h. P.M.
Friday .	10	Weak negative was observed at 9h. A.M.	Between 6h. A.M. and 7h. A.M. rain fell heavily, accompanied by thunder and lightning, and occasional showers also fell till noon; partially cloudy throughout the remainder of the day, and a violent gale prevailed. The rain-fall at Hull amounted to 0·92 inch; at Manchester to 0·62 inch; and at Bradford to 0·54 inch.
Saturday .	11	The insulating lamp was not burning.	Fine, with light clouds prevalent till evening; generally cloudy at night, and rain fell occasionally. At Liverpool the rain-fall amounted to 1·19 inch; at Sheffield to 0·82 inch; and at Eccles to 0·61 inch.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·67 in. at the beginning of the week to 29·50 in. by 9h. A.M. on the 6th; increased to 29·76 in. by 9h. P.M. on the 7th; decreased to 29·60 in. by 9h. P.M. on the 8th; increased to 29·66 in. by 9h. A.M. on the 9th; was stationary till after 3h. P.M. on the same day; decreased to 29·20 in. by 3h. P.M. on the 10th; increased to 29·40 in. by 9h. A.M. on the 11th; and was 28·99 in. at the end of the week.

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WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 37. 1869. Vol. XXX.] Week ending Saturday, September 18. [Price 4d.

General Register Office, Somerset House, 20th September 1869.

In the week that ended on Saturday, 18th September, 4324 births, and 3109 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 25 per 1000 persons living.

The annual rate of mortality last week was 23 per 1000 in London, 25 in Edinburgh, and 25 in Dublin; 29 in Bristol, 23 in Birmingham, 30 in Liverpool, 28 in Manchester, 21 in Salford, 26 in Sheffield, 31 in Bradford, 27 in Leeds, 21 in Hull, 28 in Newcastle-upon-Tyne, and 25 in Glasgow.

In Paris the annual rate of mortality in the week ending last Saturday (18th September) was 23 per 1000. The rate in Berlin during the seven days ending 16th instant was 29 per 1000, and in Vienna 27 per 1000 during the week ending 11th instant.

In London the births of 957 boys and 987 girls, in all 1944 children, were registered last week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2087.

The deaths registered in London during the week were 1409. It was the thirty-seventh week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1306. The deaths in the present return exceed by 103 the estimated amount.

The deaths from zymotic diseases were 534, the corrected average number being 406. Six deaths from small-pox, 21 from measles, 178 from scarlet fever, 13 from diphtheria, 64 from whooping-cough, 6 from typhus fever, 21 from enteric fever, 12 from simple continued fever, and 139 from diarrhœa were registered.

Scarlet fever was most fatal in the East and South districts, whooping-cough in the North and East districts, and diarrhœa in the East and South districts.

Simple cholera or choleraic diarrhœa proved fatal to 4 infants and one adult.

Greenwich; *St. Paul Deptford.*—At 3 Florence-street, on 13th September, a factory labourer, aged 55 years, "choleraic diarrhœa."

One hundred and thirty-three deaths occurred from phthisis, 63 from bronchitis, and 45 from pneumonia. The corrected average number of deaths from phthisis is 156, from bronchitis 59, and from pneumonia 45.

Forty-six persons died from diseases of the heart, and 125 from diseases of the brain and nervous system.

The deaths of 9 infants from syphilis, of 2 persons from delirium tremens, of 10 persons from fractures, of one child and one adult from burns or scalds, of 6 persons from drowning, of 5 children and one adult from suffocation, and of 7 persons who committed suicide were registered.

Seven hundred and sixteen children died under 5 years of age; of these 21 died from measles, 114 from scarlet fever, 63 from whooping-cough, 129 from diarrhœa, 12 from want of breast milk, 29 from tabes mesenterica, 22 from hydrocephalus, 35 from convulsions, 23 from bronchitis, 26 from pneumonia, 23 from premature birth, 24 from teething, and 65 from atrophy or debility.

An iron driller, aged 33 years, and his wife, aged 32 years, committed suicide, "self-poisoning by carbonic acid," on 14th September at 18 Bromley-cottages, Bromley; their 2 children, aged respectively 3 years, and 10 months, were "murdered by the parents by inhaling carbonic acid." (*Inquest.*)

The following deaths of 2 persons killed by horses or vehicles in the streets were recorded:—

A gentleman's servant, aged 68 years, "fractured skull; run over by a cart" in the Farringdon-road. Died on 11th September in St. Bartholomew's Hospital. *Post mort.* (*Inquest.*)

The daughter of a cab-driver, aged 9 years, "rupture of left ventricle of heart; run over by a hansom cab" in Goswell-street. Died on 13th September in St. Bartholomew's Hospital. *Post mort.* (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·443 in. The barometrical reading increased from 28·58 in. on Sunday, 12th September, to 29·72 in. on Tuesday, 14th September. The mean temperature of the air in the week was 58·1°, which is 1·0° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 68·8° on Tuesday, 14th September. The lowest night temperature was 52·0° on Sunday, 12th September. The entire range of temperature in the week was, therefore, 16·8°. The mean of the highest temperatures of the water of the Thames was 59·2°; that of the lowest was 57·1°. The difference between the mean dew-point temperature and air temperature was 5·6°. The mean degree of humidity of the air was 82, complete saturation being represented by 100. On Tuesday, 14th September, the humidity was as much as 98. Rain fell to the amount of 1·85 in. The general direction of the wind was S.W. and W.S.W. Violent gales and strong winds prevailed on every day except Friday. The average horizontal movement of the air during the week was at the rate of 23 miles per hour; on Monday, 13th September, it was at the rate of 29 miles per hour. On Tuesday, 14th September, a magnetic disturbance was recorded during the early morning hours.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 276,676 cubic metres, and at Barking 195,380 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Thirty-seventh Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1607	1732	1795	1772	1923	1868	2089	2115	2058	2021	1898·0	1944
Males . .	802	890	916	913	938	957	1054	1080	1044	1052	964·6	957
Females . .	805	842	879	859	985	911	1035	1035	1014	969	933·4	987
Total Deaths	1092	962	1110	1138	1257	1236	1204	1371	1262	1246	1187·8	1409*
Males . .	544	484	565	598	659	610	625	734	651	642	611·2	706
Females . .	548	478	545	540	598	626	579	637	611	604	576·6	703

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	June 26.	July 3.	July 10.	July 17.	July 24.	July 31.	Aug. 7.	Aug. 14.	Aug. 21.	Aug. 28.	Sept. 4.	Sept. 11.	Sept. 18.
Deaths	1381	1231	1279	1313	1600	1646	1630	1591	1527	1463	1391	1601	1409*
Deaths under 5 years of age	590	528	541	652	897	967	972	920	810	767	740	854	716
Deaths under 20 years of age	693	642	660	758	1010	1080	1100	1039	916	892	886	986	861
Deaths 20—40	204	172	194	150	161	181	159	166	184	153	162	183	159
Deaths 40–60	227	196	205	204	184	204	163	187	201	177	153	198	197
Deaths at 60 years of age and upwards	257	221	220	201	245	181	208	199	226	241	190	234	192
Deaths from Smallpox	1	4	4	2	5	4	2	5	5	5	5	5	6
„ „ Measles	23	22	29	25	23	33	25	31	21	20	19	38	21
„ „ Scarlet Fever	65	75	85	77	75	88	100	114	132	143	170	179	178
„ „ Diphtheria	6	4	6	4	4	3	8	6	5	6	7	8	13
„ „ Whooping-cough	76	90	69	77	67	67	65	68	60	87	75	70	64
„ „ Typhus fever	10	12	12	14	8	18	6	10	13	10	9	12	6
„ „ Enteric fever	18	14	18	17	21	16	22	12	17	18	25	22	21
„ „ Simple Cont^{d} fever	10	14	12	11	14	10	10	3	5	13	12	18	12
„ „ Diarrhœa	28	20	30	102	253	384	394	346	264	195	161	185	139
„ „ Phthisis	197	174	144	163	166	176	156	162	172	130	143	168	133
„ „ Bronchitis	108	85	92	80	64	48	65	50	54	53	50	79	63
„ „ Pneumonia	64	61	52	52	76	46	40	48	55	36	53	54	45
„ „ Heart Disease	90	45	57	55	55	49	40	59	49	53	43	48	46
Mean Temperature of the Air	54°·3	56°·9	64°·2	66°·9	66°·0	64°·0	59°·8	58°·5	58°·7	68°·4	56°·1	63°·5	58°·1
Mean Temperature of the Water of the Thames	56·1	58·9	62·0	64·4	67·4	66·5	64·0	61·8	60·5	63·1	62·4	60·4	58·1
Humidity of the Air	83	73	73	72	76	77	77	77	74	69	66	75	82
Rain-fall in inches	0·20	0·00	0·00	0·14	0·00	0·41	0·47	0·73	0·01	0·00	0·00	0·69	1·85

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The returns for the sub-districts of St. Giles North and Haggerstone East were not received when the tables were under preparation, but averages of 8 and 13 respectively are substituted for the true numbers, which are 7 for the sub-district of St. Giles North and 4 for the sub-district of Haggerstone East.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 18th day of September 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851–60.	Births. Registered during the Week ending 18th Sept.	Deaths. Corrected Average Weekly Number in 10 Years 1851–60.	Deaths. Registered during the Week ending 18th Sept.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4324**	**3244**	**3109**	**72·0**	**40·0**	**55·8**	**1·84**	**185**	**22·22**	**4·44**	**13·23**	**467**
London (Metropolis)	3,170,754	40·7	2070	1944	1462	1409	68·8	52·0	58·1	1·85	187	20·45	11·11	14·50	470
Bristol (City)	169,423	36·1	109	139	76	94 *	69·6	48·1	57·7	1·74	176	20·90	8·95	14·28	442
Birmingham (Borough)	360,846	46·1	283	289	175	162	71·0	49·4	57·3	2·53	256	21·67	9·66	14·06	642
Liverpool (Borough)	509,052	99·7	345	313	295	293	67·9	48·4	55·7	1·03	104	19·94	9·11	13·17	262
Manchester (City)	370,892	82·7	277	286	210	198 *	72·0	48·0	55·6	2·38	240	22·22	8·89	13·12	605
Salford (Borough)	119,350	23·1	89	84	60	49	70·7	47·6	54·8	2·11	213	21·50	8·67	12·67	536
Sheffield (Borough)	239,752	10·5	196	181	126	118	72·0	47·0	54·6	1·57	159	22·22	8·33	12·56	399
Bradford (Borough)	138,522	21·0	105	96	71	81	66·4	49·0	54·6	1·42	143	19·11	9·44	12·56	361
Leeds (Borough)	253,110	11·7	189	252	129	130	71·0	49·0	56·8	1·79	181	21·67	9·44	13·78	454
Hull (Borough)	126,682	35·6	83	73	59	51	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	76	69	69	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	140	86	85	62·7	40·0	53·3	2·50	253	17·06	4·44	11·84	635
Glasgow (City)	458,937	90·6	374	317	268	216	62·5	40·9	53·8	1·68	170	16·95	4·94	12·12	427
Dublin (City and some suburbs)	320,762	32·9	219	134	158	154	69·5	42·6	56·8	1·44	145	20·84	5·90	13·78	366
Paris (City)	1,889,842	..	..	..	..	836	..	..	..	..	..	..	..	..	..
				Week ending 11th Sept. 1869.		Week ending 11th Sept. 1869.	Week ending 11th September 1869.					Week ending 11th September 1869.			
Vienna (City)	(1863) 560,000	..	..	..	..	286	..	..	63·3	..	..	..	..	17·38	..
				Week ending 16th Sept. 1869.		Week ending 16th Sept. 1869.	Week ending 16th September 1869.					Week ending 16th September 1869.			
Berlin (City)	(1867) 702,437	..	..	616	..	403	..	..	60·1	..	..	..	..	15·62	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 18th September, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	1944	1409	6	21	178	13	64	39	139
WEST DISTRICTS -	255	175	-	2	11	2	11	7	17
NORTH DISTRICTS -	434	280	3	5	32	2	17	5	14
CENTRAL DISTRICTS	205	178	-	-	21	3	7	5	9
EAST DISTRICTS -	432	372	2	6	65	5	19	7	43
SOUTH DISTRICTS -	618	404	1	8	49	1	10	15	56
WEST DISTRICTS.									
St. Mary Paddington *WH*	32	24	-	-	3	-	-	1	3
St. John Paddington H	15	10	-	-	1	-	1	-	1
Kensington Town *W* -	44	28	-	-	1	1	2	2	2
Brompton H - -	2	1	-	-	-	-	-	-	-
St. Peter Hammersmith	5	2	-	-	-	-	2	-	-
St. Paul Hammersmith	24	9	-	-	2	-	1	-	-
Fulham *W* - - -	12	13	-	-	-	-	-	-	5
Chelsea South H - -	17	4	-	-	-	-	-	-	-
ChelseaNorth-west H*Ww*	17	19	-	-	-	-	2	-	2
Chelsea North-east -	8	2	-	1	-	-	-	-	-
Hanover Square - -	2	4	-	-	2	-	-	-	1
May Fair *W* - -	4	1	-	-	-	-	-	-	-
Belgrave H - - -	23	15	-	-	1	-	-	1	-
St. John Westminster -	16	16	-	-	-	-	-	1	1
St. Margaret West. *WH*	8	8	-	-	-	-	1	-	1
St. James's Square -	7	1	-	-	-	-	-	-	-
Golden Square *W* -	2	7	-	-	-	-	2	1	-
Berwick-street - -	4	7	-	1	-	1	-	1	1
St. Anne Soho - -	13	4	-	-	1	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	11	16	-	-	2	-	1	-	-
Cavendish Square - -	7	3	-	-	-	-	-	1	-
Rectory Marylebone *W*	13	16	-	-	1	-	1	-	1
St. Mary Marylebone -	20	5	-	-	-	-	-	-	-
Christchurch Marylebone	17	11	-	1	3	-	-	1	-
St. John Marylebone -	24	6	-	-	-	-	1	-	1
Hampstead *W* - -	16	15	-	-	1	-	3	-	1
Regent's Park Pancras -	20	9	-	1	-	-	-	-	1
Tottenham-court *w*H -	15	14	-	-	1	-	2	1	-
Gray's Inn Lane H -	18	8	-	1	-	-	-	-	2
Somers Town - -	26	16	-	1	1	-	-	-	-
Camden Town *W* -	17	13	-	-	2	-	-	-	1
Kentish Town - -	36	20	-	1	-	1	1	1	1
Islington West* *WHH*	51	43	2	-	7	1	2	1	2
Islington East *Ww* -	67	44	-	-	7	-	3	-	3
Stoke Newington - -	6	2	-	-	-	-	-	-	-
Stamford Hill - -	2	1	-	-	-	-	1	-	-
West Hackney - -	20	9	1	-	2	-	-	-	-
Hackney *WHw* - -	26	20	-	-	3	-	1	-	1
South Hackney L -	22	9	-	-	2	-	1	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	8	7	-	-	1	-	-	-	-
St. Giles South *W* -	13	13	-	-	-	-	1	-	-
St. Giles North - -	10	8	-	-	§	-	-	-	§
Long Acre - - -	5	4	-	-	-	-	-	-	1
Charing Cross *WH* -	3	5	-	-	-	-	-	-	-
St. Mary-le Strand -	8	2	-	-	-	-	-	-	-
St. Clement Danes H -	8	9	-	-	-	-	1	-	-
‡St.George-the-MartyrH	13	9	-	-	1	-	-	-	-
St. Andrew, East Holb. *W*	6	11	-	-	1	-	-	1	2
Saffron Hill - - -	1	2	-	-	-	-	-	-	1
St. James Clerkenwell *W*	11	9	-	-	-	3	-	-	-
Amwell Clerkenwell -	6	8	-	-	3	-	2	-	-
Pentonville - - -	15	3	-	-	-	-	-	1	1
Goswell-street - -	11	5	-	-	-	-	-	-	1
Old-street - - -	13	4	-	-	1	-	-	-	-
City-road HL - -	25	11	-	-	4	-	1	1	-
Whitecross-street - -	6	10	-	-	4	-	-	-	2
Finsbury - - -	3	5	-	-	1	-	-	-	-
St. Botolph East London	8	11	-	-	2	-	-	-	-
Cripplegate - - -	8	10	-	-	1	-	2	1	-
West London North *WH*	4	18	-	-	2	-	-	1	-
West London South -	13	6	-	-	-	-	-	-	-
London City South-west	-	-	-	-	-	-	-	-	-
London City North-west	2	-	-	-	-	-	-	-	-
London City South -	3	5	-	-	-	-	-	-	1
London City South-east	1	1	-	-	-	-	-	-	-
London City North-east	1	2	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	8	7	1	-	4	-	-	-	-
St. Leonard Shrdtch. L†	8	12	-	-	2	1	-	-	-
Hoxton New Town *w* -	19	13	-	-	1	-	-	2	-
Hoxton Old Town - -	16	13	-	-	2	-	3	-	-
Haggerstone West *W* -	16	19	-	-	4	1	2	-	-
Haggerstone East - -	17	13	-	‖	‖	-	-	-	-
Hackney-road - -	26	21	-	-	4	-	2	-	-
Green, Bthnl.Grn. *WHL*†	17	20	-	-	3	-	-	-	-
Church, Bethnal Green	18	15	-	1	3	-	-	-	-
Town, Bethnal Green -	13	11	-	-	6	-	-	-	-
Artillery Whitechapel -	7	5	-	-	1	-	1	-	-
Spitalfields - - -	9	10	-	-	2	-	1	-	-
Mile End New Town *W*	11	16	-	-	2	-	-	1	-
Whitechapel North -	13	7	-	1	1	-	-	-	-
Whitechapel Church H	1	8	-	-	-	1	-	1	-
Goodman's Fields - -	5	8	-	-	2	-	-	-	-
Aldgate - - - -	7	5	-	-	-	-	-	-	-
St. Mary St. Geo. East -	9	8	1	-	2	-	2	-	-
St. Paul St. Geo. East -	19	15	-	-	1	-	2	-	-
St. John St. Geo. East *W*	8	4	-	-	1	-	-	-	-
Shadwell *W* - - -	5	7	-	-	-	1	-	1	-
Ratcliff *W* - - -	9	7	-	-	2	-	-	-	-
Limehouse *W* - -	15	12	-	-	3	-	-	-	-
Mile End Old Town, West	29	16	-	-	-	-	2	-	-
Mile End Old T., East *Ww*	40	31	-	2	3	1	1	-	-
Bow *ww*L† - - -	49	42	-	1	8	-	-	2	-
Poplar *W* - - -	38	27	-	1	8	-	3	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	14	7	-	-	-	-	-	2	-
St. Saviour Southwark H	10	9	-	-	3	-	1	-	-
St. Olave Southwark H	-	14	-	-	1	-	-	-	-
St. John Horsleydown *W*	7	8	-	-	2	-	-	-	-
St. James Bermondsey -	36	26	-	1	6	-	1	2	-
St. Mary Magdalen *W*	8	8	-	-	2	-	-	-	-
Leather Market - -	12	11	1	-	3	-	-	1	-
Kent-road - - -	7	14	-	1	6	-	-	-	-
Borough-road *W* - -	8	11	-	-	3	-	-	-	-
London-road L - -	13	9	-	-	-	-	-	1	-
Trinity Newington -	19	8	-	-	3	-	-	-	-
St. Peter Walworth *W*	29	34	-	2	1	-	2	1	-
St. Mary Newington H -	21	4	-	-	-	-	1	-	-
Waterloo-road 1st - -	9	5	-	-	1	-	-	-	-
Waterloo-road 2nd -	20	5	-	-	1	-	-	-	-
Lambeth Church 1st -	11	7	-	-	-	-	-	-	-
Lambeth Church 2nd *W*	30	14	-	-	4	1	-	-	-
Kennington 1st - -	27	7	-	-	-	-	-	-	-
Kennington 2nd - -	15	5	-	-	-	-	-	-	-
Brixton - - - -	15	10	-	-	1	-	-	-	-
Norwood *W* - - -	9	8	-	-	-	-	1	1	-
Clapham - - -	13	10	-	-	-	-	-	-	-
Battersea *Ww* - -	43	20	-	-	1	-	2	2	-
Wandsworth L - -	9	12	-	-	1	-	-	-	-
Putney - - - -	-	2	-	-	-	-	-	-	-
Streatham - - -	1	2	-	-	-	-	-	-	-
Dulwich - - -	3	-	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	17	15	-	1	-	-	-	-	-
Peckham - - -	28	12	-	2	1	-	-	-	-
St. George Camberwell -	21	11	-	-	1	-	-	-	-
Rotherhithe *W* - -	17	15	-	-	4	-	-	-	-
St. Paul Deptford - -	29	17	-	-	-	-	-	-	-
St. Nicholas Deptford -	1	1	-	-	-	-	-	-	-
Greenwich West H -	15	8	-	1	2	-	-	-	-
Greenwich East *WH* -	17	8	-	-	-	-	-	-	-
Eltham - - - -	6	1	-	-	-	-	-	-	-
Lee - - - -	6	4	-	-	-	-	1	-	-
Lewisham Village *W* -	10	4	-	-	-	-	-	-	-
Sydenham - - -	10	9	-	-	1	-	-	1	-
Charlton H - - -	5	2	-	-	-	-	-	1	-
Woolwich Dockyard H	10	9	-	-	-	-	-	3	-
Woolwich Arsenal H -	19	9	-	-	-	-	1	-	-
Plumstead, West - -	11	4	-	-	-	-	-	-	-
Plumstead, East - -	7	5	-	-	1	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.
§ The return for the sub-district of St. Giles North contains *one* death from *scarlet fever* and *one* from *diarrhœa*.
‖ The return for the sub-district of Haggerstone East contains *one* death from *measles* and *one* from *scarlet fever*.

DEATHS in LONDON, from ALL CAUSES, Registered in the THIRTY-SEVENTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 17 1859	Sept 15 1860	Sept 14 1861	Sept 13 1862	Sept 12 1863	Sept 17 1864	Sept 16 1865	Sept 15 1866	Sept 14 1867	Sept 12 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 18, 1869. Deaths of Persons of the Ages ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	53°·8	52°·6	57°·2	58°·0	54°·5	54°·9	67°·8	56°·7	60°·1	64°·0	58°·0	Mean Temp 58°·1						
	ALL CAUSES . . .	1092	962	1110	1138	1257	1236	1204	1371	1262	1246	1187·8	1409†	716	854	152	190	155	37
	SPECIFIED CAUSES .	1059	953	1093	1131	1246	1231	1170	1366	1255	1239	1174·3	1380	712	850	151	188	154	37
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	347	228	375	363	420	383	307	518	423	332	360·6	534	395	477	26	17	13	1
II.	CONSTITUTIONAL „ .	232	218	228	223	252	255	266	234	256	276	244·0	239	72	96	60	59	23	1
III.	LOCAL „ .	311	356	324	368	393	382	364	418	385	408	370·9	403	117	142	52	102	93	14
IV.	DEVELOPMENTAL „ .	134	116	129	134	145	166	172	151	148	161	145·6	165	117	117	3	4	22	19
V.	VIOLENT DEATHS . .	35	35	37	43	36	45	61	45	43	62	44·2	39	11	18	10	6	3	2
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	327	216	350	341	400	367	275	498	385	311	347·0	502	367	448	26	15	13	..
	2. ENTHETIC „ . .	7	5	12	4	4	2	8	5	10	9	6·6	10	9	9	..	1	..	..
	3. DIETIC „ . .	10	4	10	15	14	11	17	14	17	10	12·2	15	13	13	..	1	..	1
	4. PARASITIC „ . .	3	3	3	3	2	3	7	1	11	2	3·8	7	6	7	..	..	..	..
II.	1. DIATHETIC „ . .	43	40	38	53	52	51	44	43	51	43	45·8	42	3	6	1	19	15	1
	2. TUBERCULAR „ . .	189	178	190	170	200	204	222	191	205	233	198·2	197	69	90	59	40	8	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	95	109	98	115	112	119	110	147	157	155	121·7	125	48	54	10	20	36	5
	2. „ OF ORGANS OF CIRCULATION .	48	57	43	46	59	57	57	67	40	50	52·4	53	1	7	6	25	15	..
	3. „ OF RESPIRATORY ORGANS . .	78	121	113	131	136	122	106	117	96	121	114·1	130	55	61	13	33	16	7
	4. „ OF DIGESTIVE ORGANS . .	58	47	38	53	50	55	67	43	55	47	51·3	65	11	16	13	17	18	1
	5. „ OF URINARY ORGANS . . .	18	13	20	14	19	18	19	26	21	19	18·7	18	..	..	8	5	4	1
	6. „ OF ORGANS OF GENERATION .	5	3	4	2	4	5	2	3	7	9	4·4	6	..	1	1	1	3	..
	7. „ OF ORGANS OF LOCOMOTION .	4	4	6	2	8	3	2	5	5	3	4·2	4	..	1	1	1	1	..
	8. „ OF INTEGUMENTARY SYSTEM .	5	2	2	5	5	3	1	10	4	4	4·1	2	2	2	..	..	..	..
IV.	1. DEV. DISEASES OF CHILDREN	28	20	24	25	28	43	42	31	24	32	29·7	52	52	52	..	..	..	..
	2. „ OF ADULTS . .	2	2	6	6	9	11	5	11	5	8	6·5	3	..	..	3	..	..	..
	3. „ OF OLD PEOPLE	41	30	35	47	43	48	49	39	23	40	39·5	40	..	..	..	..	21	19
	4. DISEASES OF NUTRITION .	63	64	64	56	65	64	76	70	96	81	69·9	70	65	65	..	4	1	..
V.	1. ACCIDENT OR NEGLIGENCE .	31	31	29	37	29	37	49	40	37	49	36·9	30	9	15	5	5	3	2
	*3. HOMICIDE	..	1	4	..	2	4	3	2	1	4	2·1	2	2	2	..	..	..	..
	4. SUICIDE	4	3	4	6	5	4	9	3	1	7	4·6	7	..	1	5	1	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	4	1	·5	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	1	1	4	3	7	2	5	2	1	..	2·6	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	32	8	13	4	4	3	29	3	6	7	10·9	29†	4	4	1	2	1	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.
† Averages amounting to 21 are added, without distinction of ages. See note *, page 322.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 17 1859	Sept 15 1860	Sept 14 1861	Sept 13 1862	Sept 12 1863	Sept 17 1864	Sept 16 1865	Sept 15 1866	Sept 14 1867	Sept 12 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 18, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	53°·8	52°·6	57°·2	58°·0	54°·5	54°·9	67°·8	56°·7	60°·1	64°·0	58°·0	Mean Temp. 58°·1						
I.	ORDER 1.																		
	1. Small-pox	36	10	4	4	28	9	9	22	17	6	14·5	6	4	4	2	..	..	..
	2. Measles	26	36	7	43	7	36	15	24	15	20	22·9	21	21	21	..	..	..	..
	3. Scarlet Fever (Scarlatina)	92	36	48	85	124	72	43	42	38	57	63·7	178	114	176	2	..	..	..
	4. Diphtheria	21	4	12	11	20	12	9	13	6	7	11·5	13	9	12	1	..	..	..
	5. Quinsy	1	..	2	2	..	1	1	1	1	1	1·0	1	1	1	..	..	..	..
	6. Croup	7	12	16	19	11	14	10	15	8	12	12·4	10	10	10	..	..	..	..
	7. Whooping-cough	14	25	40	18	31	17	28	24	25	15	23·7	64	63	64	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	24	16	53	67	57	93	53	41	30	64	49·8	6 21 12	.. 5 6	1 13 8	3 5 ..	1 2 3	1 1 1	.. .. ..
	9. Erysipelas	3	7	4	5	10	6	1	8	6	9	5·9	4	..	..	2	..	2	..
	10. Puerperal Fever (Metria)	1	2	5	4	3	5	2	2	2	1	2·7	7	..	..	7	..	..	..
	11. Carbuncle	3	..	1	1	..	1	2	..	1	2	1·1	2	..	..	..	..	2	..
	12. Influenza	1	..	..	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	13. Dysentery	4	3	2	4	3	2	2	5	2	2	2·9	2	1	1	1	..	..	..
	14. Diarrhœa	82	60	137	64	93	81	85	110	203	99	101·4	139	129	130	1	3	5	..
	15. Simple Cholera	5	1	8	5	3	3	4	182	25	5	24·1	5	4	4	..	1	..	..
	16. Ague	1	..	1	..	..	1	..	..	..	..	·3	2	..	..	..	2	..	..
	17. Remittent fever	3	..	..	..	1	1	..	..	..	..	·5	1	..	..	..	1	..	..
	18. Rheumatism	3	4	10	9	9	13	11	8	5	10	8·2	7	..	2	2	2	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	1	..	1	·2	1	..	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	6	2	11	3	4	1	8	4	9	8	5·6	9	9	9	..	..	..	..
	2. Stricture of Urethra	1	3	1	1	..	1	..	..	1	1	·9	1	..	..	..	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	1	..	..	..	3	1	1	..	..	·6	..	..	..	..	..	..	..
	2. Want of Breast-milk	4	1	7	8	7	4	9	10	13	5	6·8	12	12	12	..	..	..	..
	3. Purpura and Scurvy	2	..	2	1	..	1	2	1	..	2	1·1	1	1	1	..	..	..	..
	4. Alcoholism *a* Del. Tremens	1	..	1	4	2	..	4	..	4	3	1·9	2	..	..	..	1	..	1
	4. Alcoholism *b* Intemperance	3	2	..	2	5	3	1	2	..	..	1·8	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	3	3	3	3	2	3	7	1	10	2	3·7	7	6	7	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	..	..	4	..	1	1	..	3	2	1·3	..	..	..	..	..	..	..
	2. Dropsy	14	13	10	18	16	18	13	16	9	10	13·7	10	2	3	..	5	2	..
	3. Cancer	23	24	25	26	32	30	27	23	36	25	27·1	30	..	2	1	14	13	..
	4. Cancrum Oris (Noma)	2	..	..	1	..	..	..	..	1	1	·5	..	..	..	..	..	..	..
	5. Mortification	2	3	3	4	4	2	3	4	2	5	3·2	2	1	1	..	..	..	1
	ORDER 2.																		
	1. Scrofula	6	4	8	8	11	9	4	7	8	5	7·0	8	6	8	..	..	..	..
	2. Tabes Mesenterica	24	22	28	23	23	28	26	22	31	40	26·7	33	29	31	1	1	..	..
	3. Phthisis	132	123	135	117	143	144	169	149	148	158	141·8	133	12	28	58	39	8	..
	4. Hydrocephalus	27	29	19	22	23	23	23	13	18	30	22·7	23	22	23	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	6	8	5	9	10	13	6	14	15	20	10·6	12	11	11	1	..	..	..
	2. Apoplexy	23	23	21	28	30	23	20	35	33	25	26·1	28	1	1	2	10	13	2
	3. Paralysis	18	23	14	19	12	27	21	24	22	34	21·4	25	..	..	3	5	14	3
	4. Insanity	..	..	2	3	3	1	1	1	2	3	1·6	6	..	..	1	2	3	..
	5. Chorea	1	..	..	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	6. Epilepsy	6	3	9	2	6	11	7	8	2	9	6·3	7	..	1	1	2	3	..
	7. Convulsions	25	41	35	39	34	32	38	49	64	46	40·3	36	35	36	..	..	..	..
	8. *Brain Disease, &c.*	16	11	12	15	17	12	17	16	18	18	15·2	11	1	5	2	1	3	..
	ORDER 2.																		
	1. Pericarditis	2	3	5	1	1	2	..	2	..	1	1·7	5	..	3	1	1	..	..
	2. Aneurism	4	1	2	3	4	1	2	1	..	2	2·0	2	..	..	1	1	..	..
	3. *Heart Disease, &c.*	42	53	36	42	54	54	55	64	40	47	48·7	46	1	4	4	23	15	..
	ORDER 3.																		
	1. Laryngitis	1	5	8	7	4	5	1	4	5	8	4·8	3	3	3	..	..	..	..
	2. Bronchitis	30	54	51	57	58	57	64	69	40	61	54·1	63	23	25	3	19	11	5
	3. Pleurisy	2	2	2	3	3	4	1	..	1	1	1·9	2	..	..	..	1	1	..
	4. Pneumonia	35	51	43	52	57	33	30	34	39	40	41·4	45	26	29	6	7	2	1
	5. Asthma	6	4	3	3	4	8	3	1	3	4	3·9	5	..	..	..	3	1	1
	6. *Lung Disease, &c.*	4	5	6	9	10	15	7	9	8	7	8·0	12	3	4	4	3	1	..
	ORDER 4.																		
	1. Gastritis	1	1	2	1	1	3	3	..	2	1	1·5	..	..	..	..	..	..	..
	2. Enteritis	4	8	5	5	5	5	3	9	5	7	5·6	8	2	3	3	..	2	..
	3. Peritonitis	5	4	1	3	4	6	9	4	9	6	5·1	6	1	3	2	..	1	..
	4. Ascites	3	2	2	1	3	5	2	1	4	1	2·4	3	1	1	1	1	..	..
	5. Ulceration of Intestines	2	3	2	3	1	4	3	4	..	1	2·3	4	..	2	1	..	1	..
	6. Hernia	5	3	2	4	4	2	3	3	4	4	3·4	3	..	..	..	..	3	..
	7. Ileus	4	6	..	2	3	1	2	3	1	7	2·9	3	1	1	1	..	1	..
	8. Intussusception	1	1	..	1	..	..	1	..	2	1	·7	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

n the THIRTY-SEVENTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 17 1859	Sept 15 1860	Sept 14 1861	Sept 13 1862	Sept 12 1863	Sept 17 1864	Sept 16 1865	Sept 15 1866	Sept 14 1867	Sept 12 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 18, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	53°8	52°6	57°2	58°0	54°5	54°9	67°8	56°7	60°1	64°0	58°0	Mean Temp. 58°1						
	9. Stricture of Intestines	..	1	3	2	2	..	1	1	..	1	1·1	1	..	..	..	1	..	..
	10. Fistula	..	..	..	1	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	2	5	3	7	7	5	8	5	6	4	5·2	7	1	1	..	3	2	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	2	3	3	4	5	4	5	2	4	..	3·2	4	..	..	..	2	2	..
	14. Jaundice	8	3	3	1	3	1	12	1	4	2	3·8	6	3	3	1	..	2	..
	15. *Liver Disease, &c.*	19	7	12	17	12	19	15	10	13	12	13·6	20	2	2	4	10	4	..
	16. *Spleen Disease, &c.*	2	..	..	1	..	..	..	..	1	..	·4	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	1	..	..	..	1	..	1	2	·5	..	..	..	..	..	..	..
	2. Ischuria	..	1	..	..	..	..	..	..	1	1	·3	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	6	4	10	7	6	6	11	10	10	9	7·9	7	..	..	3	4	..	..
	4. Diabetes	1	2	..	..	1	1	1	..	1	..	·7	1	..	..	1	..	..	..
	5. Calculus (Stone)	..	..	..	..	2	1	..	1	..	1	·5	..	..	..	..	..	..	..
	6. Cystitis	..	2	1	3	2	1	2	1	..	1	1·3	1	..	..	1	..	..	..
	7. *Kidney Disease, &c.*	11	4	8	4	8	9	4	14	8	5	7·5	9	..	..	3	1	4	1
	ORDER 6.																		
	1. Ovarian Dropsy	2	1	1	1	..	..	..	1	2	2	1·0	1	..	..	..	..	1	..
	2. *Uterus Disease, &c.*	3	2	3	1	4	5	2	2	5	7	3·4	5	..	1	1	1	2	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	1	..	..	..	..	1	·2	1	..	..	1	..	..	..
	2. *Joint Disease, &c.*	4	4	6	2	7	3	2	5	5	2	4·0	3	..	1	..	1	1	..
	ORDER 8.																		
	1. Phlegmon	3	..	2	1	4	..	..	2	1	2	1·5	1	1	1	..	..	..	..
	2. Ulcer	1	2	..	2	..	1	..	3	1	2	1·2	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	1	..	..	2	1	2	1	5	2	..	1·4	1	1	1	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	15	11	11	10	14	25	21	23	10	14	15·4	23	23	23	..	..	..	..
	2. Cyanosis	2	1	2	3	1	3	1	1	2	4	2·0	1	1	1	..	..	..	..
	3. Spina Bifida	..	1	..	1	3	1	..	..	..	1	·7	2	2	2	..	..	..	..
	4. Other Malformations	..	1	1	..	..	2	2	1	1	2	1·0	2	2	2	..	..	..	..
	5. Teething	11	6	10	11	10	12	18	6	11	11	10·6	24	24	24	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	1	..	1	..	..	..	1	·3	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	2	2	6	5	9	10	5	11	5	7	6·2	3	..	..	3	..	..	..
	ORDER 3.																		
	1. Old Age	41	30	35	47	43	48	49	39	23	40	39·5	40	..	..	..	..	21	19
	ORDER 4.																		
	1. Atrophy and Debility	63	64	64	56	65	64	76	70	96	81	69·9	70	65	65	..	4	1	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	13	18	12	22	13	20	19	22	13	12	16·4	10	1	3	3	1	2	1
	2. Wounds	..	..	..	..	1	..	..	1	..	1	·3	1	..	..	1	..	..	..
	3. Burns and Scalds	4	4	4	..	5	4	9	3	2	4	3·9	2	1	1	..	..	..	1
	4. Poison	1	..	..	..	..	2	..	1	2	2	·8	1	..	1	..	..	..	..
	5. Drowning	6	3	10	4	2	2	16	9	14	12	7·8	6	1	3	1	2	..	..
	6. Suffocation	6	5	3	10	5	7	4	3	2	9	5·4	6	5	5	..	..	1	..
	7. Otherwise	1	1	..	1	3	2	1	1	4	9	2·3	4	1	2	..	2	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	..	1	4	..	2	4	3	2	1	4	2·1	2	2	2	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	1	..	1	..	..	2	·4	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	1	..	..	..	..	2	..	..	..	·4	2	..	..	1	1	..	..
	2. Poison	..	1	1	2	1	1	3	2	1	2	1·4	1	..	..	1	..	..	..
	3. Drowning	..	..	..	1	..	2	2	1	..	..	·6	..	..	..	..	..	..	..
	4. Hanging	3	1	3	3	2	1	1	..	..	3	1·7	2	..	1	1	..	..	..
	5. Otherwise	..	..	..	..	1	..	..	..	..	..	·1	2	..	..	2	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	4	1	·5	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	1	1	4	3	7	2	5	2	1	..	2·6	..	..	..	..	..	..	..
	Causes not specified or ill-defined	32	8	13	4	4	3	29	3	6	7	10·9	29†	4	4	1	2	1	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† Averages amounting to 21 are added, without distinction of ages. See note *, page 322.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 18th September, 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
September.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	12	First Quarter	29·194	62·8	52·0	10·8	53·8	45·4	87·4	51·0	..	..	8·4	12·7	2·8	— 3·7	73	Variable	W. & SW.	18·9	0·1	2·7	607	0·42	6
Monday. .	13	..	29·276	63·1	52·7	10·4	55·5	47·4	101·3	45·0	59·4	57·4	8·1	15·2	2·0	— 1·8	74	SW.	WSW.	30·+	0·1	4·1	690	0·32	5
Tuesday .	14	Greatest Dec. S.	29·660	68·8	52·9	15·9	59·5	59·0	88·5	46·3	59·6	57·4	0·5	5·8	0·0	+ 2·3	98	SW.	SW.	13·2	0·1	1·3	452	0·09	6
Wednesday	15	..	29·425	66·1	54·9	11·2	57·6	50·0	112·3	54·7	59·4	56·9	7·6	13·9	3·8	+ 0·5	76	SW. & WSW.	WSW. & SW.	13·2	0·1	2·0	539	0·18	6
Thursday.	16	..	29·567	67·8	54·2	13·6	58·5	49·4	109·1	47·2	58·4	56·4	9·1	16·6	2·8	+ 1·6	72	WSW. & W.	W. & WSW.	15·9	0·1	2·1	573	0·00	2
Friday . .	17	..	29·624	65·8	54·5	11·3	60·0	59·3	81·3	50·2	58·9	57·4	0·7	4·7	0·0	+ 3·3	97	SW.	SW.	3·8	0·0	1·0	410	0·10	6
Saturday.	18	..	29·354	68·2	57·4	10·8	61·6	56·9	98·2	53·8	59·4	57·4	4·7	8·1	0·0	+ 5·1	85	SW.	SW. & SSW.	30·0	0·1	2·5	515	0·74	5
Means . .		..	29·443	66·1	54·1	12·0	58·1	52·5	96·9	49·7	(6 days) 59·2	(6 days) 57·1	5·6	11·0	1·6	+ 1·0	82	SW. & WSW.		..	..	..	Sum 3786	Sum 1·85	5·1
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. September.		Electricity.	Sky and Atmosphere.
Sunday .	12	The insulating lamp was not burning.	Large amounts of cloud prevailed during the morning; generally cloudless in the afternoon; variable at night. Rain fell heavily throughout the early morning hours, and a violent gale prevailed in the afternoon.
Monday .	13		The amount of cloud was very variable throughout the day. A violent gale prevailed, and rain fell heavily at times.
Tuesday .	14		Generally overcast. A magnetic disturbance was recorded during the early morning hours. Rain fell between 8h. A.M. and 10h. A.M., and a strong wind prevailed throughout the day.
Wednesday	15		Generally cloudy during the day; cloudless at night. A gale prevailed throughout the day, accompanied by occasional rain.
Thursday .	16		Generally cloudy. Heavy gale. Lunar halo.
Friday .	17		Overcast. Frequent showers of thin rain fell during the day.
Saturday .	18		Generally overcast. Rain fell more or less heavily from 5h. P.M. till midnight. A gale of wind.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and – "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 28·99 in. at the beginning of the week to 28·58 in. by 5½h. A.M. on the 12th; increased to 29·46 in. by 10h. P.M. on the same day; decreased to 29·10 in. by 6h. A.M. on the 13th; increased to 29·72 in. by 9h. A.M. on the 14th; decreased to 29·36 in. by 5h. A.M. on the 16th; increased to 29·71 in. by 9h. P.M. on the same day; and decreased to 29·04 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 38. 1869. Vol. XXX.] Week ending Saturday, September 25. [Price 1½*d.*

General Register Office, Somerset House,
27th September 1869.

In the week that ended on Saturday, 25th September, 4720 births, and 2982 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 24 per 1000 persons living.

The annual rate of mortality last week was 22 per 1000 in London, 19 in Edinburgh, and 24 in Dublin; 21 in Bristol, 23 in Birmingham, 28 in Liverpool, 25 in Manchester, 24 in Salford, 27 in Sheffield, 25 in Bradford, 28 in Leeds, 26 in Hull, and 24 in Newcastle-upon-Tyne.

In Paris the annual rate of mortality in the week ending last Saturday (25th September) was 23 per 1000.

In London the births of 1144 boys and 1108 girls, in all 2252 children, were registered in the week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2110.

The deaths registered in London during the week were 1362. It was the thirty-eighth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1282. The deaths in the present return exceed by 80 the estimated number.

The deaths from zymotic diseases were 513, the corrected average number being 395. Eight deaths from small-pox, 22 from measles, 191 from scarlet fever, 9 from diphtheria, 49 from whooping-cough, 9 from typhus, 23 from enteric fever, 13 from simple continued fever, and 115 from diarrhœa, were registered.

Scarlet fever was more fatal than ever. During the last four weeks the deaths from that disease have been 170, 179, 178, and 191. The medical officers of health will no doubt endeavour to suggest some practical means of preventing its further extension.

Simple cholera or choleraic diarrhœa proved fatal to 2 infants.

One hundred and forty deaths occurred from phthisis, 62 from bronchitis, and 54 from pneumonia. The corrected average number of deaths from phthisis is 154, from bronchitis 62, and from pneumonia 52.

Fifty-five persons died from diseases of the heart, and 125 from diseases of the brain and nervous system.

The deaths of 6 infants and one adult from syphilis, of 4 persons from delirium tremens, of 5 persons from intemperance, of 16 persons from fractures, of 2 children from burns or scalds, of 7 persons from drowning, of 7 children from suffocation, and of 4 persons who committed suicide were registered.

Four nonagenarians died during the week; and a widow, an annuitant, died at 36 Webber-street, Blackfriars-road, at the age (as stated) of 100 years.

Six hundred and eighty-two children died under 5 years of age; of these 5 died from small-pox, 21 from measles, 130 from scarlet fever, 47 from whooping-cough, 105 from diarrhœa, 17 from want of breast milk, 22 from tabes mesenterica, 23 from hydrocephalus, 45 from convulsions, 24 from bronchitis, 36 from pneumonia, 17 from premature birth, 17 from teething, and 68 from atrophy or debility.

A domestic servant, aged 21 years, died on 22d September at 10 The Polygon, Somers-town, from "effusion of blood on brain, produced by tight lacing." *Post mort.* (*Inquest.*)

The son of an iron mould-maker, aged 13 years, died on 16th September at 9 Brunswick-place, Wyndham-road, Camberwell, from "hydrophobia; bit by a dog (24 days); fatal symptoms (3 days)." (*Inquest.*)

A bricklayer, aged 54 years, died on 25th September at 26 Brunswick-road, Islington, from "sunstroke (18 months), apoplexy (one month)."

Nine deaths were recorded in the Spitalfields sub-district of Whitechapel; of these 3 were caused by scarlet fever, 3 by whooping-cough, 2 by fever, and one occurred from diarrhœa.

The following deaths of 4 persons killed by horses or vehicles in the streets were recorded :—

The son of a labourer, aged 7 years, "fracture of skull; run over by a van." Died on 10th September in the Western Dispensary, Marylebone. (*Inquest.*)

The son of a labourer, aged 2 years, "ruptured liver; run over by a cart." Died on 9th September in University College Hospital. *Post mort.* (*Inquest.*)

A carman, aged 41 years, "ruptured liver and spleen; run over by a van." Died on 23d September in the London Hospital. (*Inquest.*)

A gardener, aged 49 years, "fractured ribs, ruptured kidney, and laceration of a blood vessel; run over by a waggon." Died on 13th September in St. Thomas's Hospital. (*Inquest.*)

The waters supplied by the Metropolitan Companies during the month of September, contained (according to Professor Frankland's analysis) in 100,000 tons foreign solid matters amounting to 25 tons in the Chelsea water, 25 in the West Middlesex, 26 in the Southwark and Vauxhall, 26 in the Grand Junction, 25 in the Lambeth, 24 in the New River, 27 in the East London, and 42 in the Kent. 100,000 tons of the Chelsea water contained 22 tons, the West Middlesex 21 tons, the Southwark and Vauxhall 22 tons, the Grand Junction 21 tons, the Lambeth 22 tons, the New River 21 tons, the East London 23 tons, and the Kent 30 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

Professor Frankland remarks: — "The Lambeth Company alone delivered "turbid water, the remaining Companies supplied water in a clear and transparent "condition. The amount of organic matter contained in the waters drawn from "the Thames was unusually small."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·738 in. The barometrical reading increased from 29·02 in. on Sunday, 19th September, to 30·08 in. on Thursday, 23d September. The mean temperature of the air in the week was 56·8°, which is 1·3° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 73·5° on Saturday, 25th September. The lowest night temperature was 42·5° on Tuesday, 21st September. The entire range of temperature in the week was, therefore, 31·0°. The mean of the highest temperatures of the water of the Thames was 56·9°; that of the lowest was 54·8°. The difference between the mean dew-point temperature and air temperature was 6·8°. The mean degree of humidity of the air was 78, complete saturation being represented by 100. Rain fell during the week to the amount of 0·12 in., nearly all of which fell on Sunday, 19th September. The general direction of the wind was W.S.W.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 223,252 cubic metres, and at Barking 182,022 cubic metres, equivalent to about as many tons by weight.

Sir, *Royal College of Chemistry, 23d September*, 1869.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of September. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Newcastle, Glasgow, Manchester, Bristol, Dublin, and Norwich, and by samples of Thames water taken at London Bridge at low and high water, also by the well waters from the artesian well in Trafalgar-square, from the Royal Mint, and from Barclay's Brewery.

The Lambeth Company alone delivered turbid water, the remaining Companies supplied water in a clear and transparent condition. The amount of organic matter contained in the waters drawn from the Thames was unusually small.

I have, &c.

The Registrar General, &c. &c. &c. E. Frankland.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	3d September, Cab Rank, Horse Guards	16·1	25·24	·087	·015	·000	·163	·178	1310	1·70	21·5
West Middlesex	3d September, Cab Rank, Portland-road	16·4	24·58	·089	·021	·000	·108	·129	760	1·73	21·3
Southwark and Vauxhall	3d September, Cab Rank, St. George's Church, Borough	16·1	25·80	·078	·022	·000	·095	·117	630	1·78	21·5
Grand Junction	3d September, Cab Rank, Woodstock-st.	15·0	25·62	·086	·030	·000	·115	·145	830	1·70	20·9
Lambeth	3d September, Cab Rank, Lambeth-road	15·8	25·00	·101	·026	·001	·148	·175	1170	1·68	21·5
OTHER SOURCES.											
New River	3d September, Cab Rank, Tottenham-court-road	16·4	24·20	·052	·015	·001	·156	·172	1250	1·60	20·9
East London	2d September, Slater's Lamp Black Works, Old Ford-road	16·7	26·80	·069	·023	·000	·108	·131	760	1·74	23·0
Kent	2d September, Deptfd. Bdge, Police Stat.	13·3	42·30	·052	·015	·000	·390	·405	3580	2·30	29·9
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September 1868		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July 1868, Glasgow		3·00	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June 1868, Manchester		6·20	·183	·009	·006	·025	·039	0	1·117	3·7
Bristol	February 1869, Bristol Waterworks		28·66	·160	·017	·001	·203	·221	1720	1·300	24·46
Dublin	April 1869, Dublin Water Supply		6·34	·238	·024	·001	·000	·025	0	1·240	2·97
Norwich	September 1868, Norwich Water Supply		28·18	·227	·055	·000	·000	·055	0	2·631	23·68
Thames water, filtered	27th April 1869, London Bridge mid-stream, at low water		30·35	·455	·075	·032	·181	·282	1750	1·950	22·7
	at high water		92·85	·540	·122	·025	·394	·537	3830	31·500	23·9
Artesian well water	May 6th, 1869, Trafalgar Square, London		83·4	·150	·012	·070	·000	·070	260	16·55	5·92
Deep Chalk well water	June 1869, Royal Mint,		83·96	·195	·025	·060	·000	·074	170	13·92	17·48
Deep well water	July 1869, Barclay's Brewy., Sothwk.	12·1	73·3	·085	·008	·060	·000	·057	170	14·08	7·33
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 3d September at the Horse Guards' cab rank had a temperature of 16·1° C.;

100,000 lbs. of it contained 25·24 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·087 lb. of carbon and ·015 lb. of nitrogen. This solid impurity also contained ·163 lb. of nitrogen in the form of nitrates and nitrites, and no ammonia, whilst the total amount of *combined* nitrogen in every form was ·178 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 1,310 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·7 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 21·5 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Thirty-eighth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1752	1670	1830	1760	1930	1953	1962	2033	2215	2080	1918·5	2252
Males . .	886	859	944	872	946	975	992	1057	1121	1011	966·3	1144
Females .	866	811	886	888	984	978	970	976	1094	1069	952·2	1108
Total Deaths	1058	1016	1126	1185	1186	1229	1143	1350	1138	1220	1165·1	1362
Males . .	544	513	564	586	623	623	595	706	596	623	597·3	696
Females .	514	503	562	599	563	606	548	644	542	597	567·8	666

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	July 3.	July 10.	July 17.	July 24.	July 31.	Aug. 7.	Aug. 14.	Aug. 21.	Aug. 28.	Sept. 4.	Sept. 11.	Sept. 18.	Sept. 25.
Deaths - - -	1231	1279	1313	1600	1646	1630	1591	1527	1463	1391	1601	1409	1362
Deaths under 5 years of age -	528	541	652	897	967	972	920	810	767	740	854	716	682
Deaths under 20 years of age	642	660	758	1010	1080	1100	1039	916	892	886	986	861	824
Deaths 20—40 - - -	172	194	150	161	181	159	166	184	153	162	183	159	148
Deaths 40—60 - - -	196	205	204	184	204	163	187	201	177	153	198	197	198
Deaths at 60 years of age and upwards - - -	221	220	201	245	181	208	199	226	241	190	234	192	192
Deaths from Small-pox -	4	4	2	5	4	2	5	5	5	5	5	6	8
„ „ Measles - -	22	29	35	23	33	25	31	21	20	19	38	21	22
„ „ Scarlet Fever -	75	85	77	75	88	100	114	132	143	170	179	178	191
„ „ Diphtheria -	4	6	4	4	3	8	6	5	6	7	8	13	9
„ „ Whooping-cough	90	69	77	67	67	65	68	60	87	75	70	64	49
„ „ Typhus fever -	12	12	14	8	18	6	10	13	10	9	12	6	9
„ „ Enteric fever -	14	18	17	21	16	22	12	17	18	25	22	21	23
„ „ SimpleContᵈfever	14	12	11	14	10	10	3	5	13	12	18	12	13
„ „ Diarrhœa - -	20	30	102	253	384	394	346	264	195	161	185	139	115
„ „ Phthisis - -	174	144	163	166	176	156	162	172	130	143	168	133	140
„ „ Bronchitis - -	85	92	80	64	48	65	50	54	53	50	79	63	62
„ „ Pneumonia -	61	52	52	76	46	40	48	55	36	53	54	45	54
„ „ Heart Disease -	45	57	55	55	49	40	59	49	53	43	48	46	55
Mean Temperature of the Air	56°·9	64°·2	66°·9	66°·0	64°·0	59°·8	58°·5	58°·7	68°·4	56°·1	63°·5	58°·1	56°·8
Mean Temperature of the Water of the Thames -	58·9	62·0	64·4	67·4	66·5	64·0	61·8	60·5	63·1	62·4	60·4	58·1	55·9
Humidity of the Air - -	73	73	72	76	77	77	77	74	69	66	75	82	78
Rain-fall in inches - -	0·00	0·00	0·14	0·00	0·41	0·47	0·73	0·01	0·00	0·00	0·69	1·85	0·12

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 25th day of September, 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 25th Sept.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 25th Sept.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4720**	**3244**	**2982**	**73·5**	**39·9**	**55·1**	**0·68**	**69**	**23·06**	**4·39**	**12·84**	**173**
London (Metropolis)	3,170,754	40·7	2070	2252	1462	1362	73·5	42·5	56·8	0·12	12	23·06	5·84	13·78	30
Bristol (City)	169,423	36·1	109	99	76	67 *	72·3	42·2	55·8	1·08	109	22·39	5·67	13·23	274
Birmingham (Borough)	360,846	46·1	283	274	175	158	71·7	45·7	55·7	1·27	128	22·06	7·51	13·17	322
Liverpool (Borough)	509,052	99·7	345	395	295	274	70·8	48·0	55·2	0·32	32	21·56	8·89	12·89	83
Manchester (City)	370,892	82·7	277	257	210	177 *	72·0	43·0	54·8	0·88	89	22·22	6·11	12·67	224
Salford (Borough)	119,350	23·1	89	96	60	56	73·4	42·0	54·4	0·81	82	23·00	5·56	12·44	206
Sheffield (Borough)	239,752	10·5	196	185	126	123	71·0	44·0	55·7	0·33	33	21·67	6·67	13·17	84
Bradford (Borough)	138,522	21·0	105	117	71	67	69·0	45·8	54·5	0·46	46	20·56	7·67	12·50	117
Leeds (Borough)	253,110	11·7	189	252	129	137	68·0	45·0	55·7	0·66	67	20·00	7·22	13·17	168
Hull (Borough)	126,682	35·6	83	91	59	64	69·0	40·0	54·0	0·12	12	20·56	4·44	12·22	30
Newcastle-on-Tyne (Borough)	130,503	24·5	90	112	69	61	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	122	86	65	64·7	44·0	54·1	0·70	71	18·17	6·67	12·28	178
Glasgow (City)	458,937	90·6	374	323 †	268	226 †	62·9	43·6	53·7	1·84	186	17·17	6·45	12·06	467
Dublin (City and some suburbs)	320,762	32·9	219	145	158	145	71·2	39·9	55·7	0·24	24	21·78	4·39	13·17	61
Paris (City)	1,889,842	..	..	..	..	820	..	..	..	..	..	..	..	..	..
Vienna (City)	(1863) 560,000	..	..	Week ending 18th Sept. 1869. ..	..	Week ending 18th Sept. 1869. ..	..	Week ending 18th September 1869. ..	..	..	..	..	Week ending 18th September 1869. ..	..	..
Berlin (City)	(1867) 702,437	..	..	Week ending 23d Sept. 1869. ..	..	Week ending 23d Sept. 1869. ..	..	Week ending 23d September 1869. ..	..	..	..	..	Week ending 23d September 1869. ..	..	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.
The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

† The return from Glasgow not having been received, averages of the births and deaths registered in that town in the four previous weeks have been substituted for the correct numbers, in order to make up totals for the 14 large towns.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 25th September, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON –	2252	1362	8	22	191	9	49	45	115
WEST DISTRICTS –	285	187	–	5	17	–	6	4	11
NORTH DISTRICTS –	497	299	2	4	30	1	13	8	25
CENTRAL DISTRICTS –	244	144	–	1	27	–	2	7	7
EAST DISTRICTS –	535	328	4	3	65	5	18	10	32
SOUTH DISTRICTS –	691	404	2	9	52	3	10	16	40
WEST DISTRICTS.									
St. Mary Paddington *WH*	43	20	–	–	4	–	1	–	–
St. John Paddington H	11	11	–	–	1	–	–	1	–
Kensington Town *W* –	71	27	–	1	5	–	–	–	2
Brompton H – –	11	4	–	–	–	–	–	–	1
St. Peter Hammersmith	3	1	–	–	–	–	1	–	–
St. Paul Hammersmith	22	11	–	–	2	–	–	1	–
Fulham *W* – – –	11	7	–	–	1	–	–	–	–
Chelsea South H – –	12	11	–	–	–	–	–	1	–
Chelsea North-west H *Ww*	12	14	–	–	–	–	–	–	1
Chelsea North-east –	7	10	–	–	–	–	1	–	2
Hanover Square – –	9	6	–	–	2	–	1	–	1
May Fair *W* – –	3	–	–	–	–	–	–	–	–
Belgrave H – –	17	20	–	–	1	–	–	–	3
St. John Westminster –	23	15	–	–	1	–	2	–	–
St. Margaret West. *WH*	9	17	–	1	–	–	–	–	1
St. James's Square –	1	3	–	–	–	–	–	–	–
Golden Square *W* –	10	2	–	1	–	–	–	1	–
Berwick street – –	5	2	–	–	–	–	–	–	–
St. Anne Soho – –	5	6	–	2	–	–	–	–	–
NORTH DISTRICTS.									
All Souls Marylebone H	18	15	–	–	1	–	2	1	–
Cavendish Square – –	1	1	–	–	–	–	–	–	–
Rectory Marylebone *W*	14	21	–	–	6	–	–	–	3
St. Mary Marylebone –	21	11	–	–	2	–	1	–	2
Christchurch Marylebone	21	11	–	–	–	–	–	–	–
St. John Marylebone –	21	19	–	–	2	–	–	1	3
Hampstead *W* – –	15	10	–	–	–	–	1	–	1
Regent's Park Pancras –	28	17	–	1	–	–	–	–	1
Tottenham-court *w*H –	25	10	–	–	1	–	–	1	–
Gray's Inn Lane H –	22	16	–	–	–	–	–	–	–
Somers Town – –	27	13	–	–	3	–	–	–	–
Camden Town *W* –	20	12	–	–	–	–	1	–	1
Kentish Town – –	52	19	–	2	–	–	2	–	2
Islington West* *WHH*	50	35	2	–	4	–	2	1	1
Islington East *Ww* –	78	37	–	–	5	1	1	3	5
Stoke Newington – –	4	3	–	–	1	–	–	–	–
Stamford Hill – –	3	3	–	–	–	–	–	1	–
West Hackney – –	24	11	–	1	1	–	1	–	1
Hackney *WHw* – –	31	23	–	–	1	–	2	–	2
South Hackney L –	22	12	–	–	3	–	–	–	3
CENTRAL DISTRICTS.									
St. George Bloomsbury –	10	5	–	–	–	–	–	–	1
St. Giles South *W* –	15	6	–	–	–	–	–	–	–
St. Giles North – –	11	4	–	–	–	–	–	–	–
Long Acre – – –	4	2	–	–	–	–	–	–	–
Charing Cross *WH* –	3	4	–	–	–	–	–	–	–
St. Mary-le-Strand –	7	4	–	–	–	–	–	–	–
St. Clement Danes H –	7	9	–	–	3	–	–	1	–
‡St. George-the-Martyr H	11	3	–	–	2	–	–	–	–
St. Andrew, East Holb. *W*	8	7	–	–	1	–	–	–	1
Saffron Hill – – –	8	2	–	–	1	–	–	–	–
St. James Clerkenwell *W*	20	5	–	–	–	–	–	1	–
Amwell Clerkenwell –	7	6	–	–	3	–	–	1	–
Pentonville – – –	12	2	–	–	–	–	–	–	–
Goswell-street – –	17	11	–	–	4	–	–	–	–
Old-street – – –	9	2	–	–	–	–	–	1	–
City-road HL – –	30	9	–	–	3	–	–	1	1
Whitecross-street – –	8	7	–	–	2	–	–	–	1
Finsbury – – –	8	5	–	–	–	–	–	–	1
St. Botolph East London	15	7	–	–	–	–	1	–	1
Cripplegate – – –	9	11	–	–	5	–	1	1	–
West London North *WH*	3	17	–	1	1	–	–	1	–
West London South –	5	5	–	–	1	–	–	–	–
London City South-west	3	1	–	–	–	–	–	–	1
London City North-west	3	1	–	–	–	–	–	–	–
London City South –	4	4	–	–	–	–	–	–	–
London City South-east	–	3	–	–	1	–	–	–	–
London City North-east	7	2	–	–	–	–	–	–	–

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch –	8	6	–	–	1	–	–	–	–
St. Leonard Shrditch. L†	20	9	–	–	2	–	2	1	–
Hoxton New Town *w* –	25	10	–	–	2	–	–	1	2
Hoxton Old Town – –	25	12	–	–	2	–	–	–	2
Haggerstone West *W* –	24	24	–	–	3	3	2	–	3
Haggerstone East – –	15	5	–	–	1	–	–	–	1
Hackney-road – –	21	11	–	–	4	–	–	1	2
Green, Bthnl. Grn. *WHL*†	48	37	–	2	8	–	–	–	2
Church, Bethnal Green –	31	10	–	–	1	–	1	–	1
Town, Bethnal Green –	19	12	–	–	5	–	1	1	–
Artillery Whitechapel –	6	4	–	–	1	–	1	–	–
Spitalfields – – –	16	9	–	–	3	–	3	2	1
Mile End New Town *W*	7	5	–	–	2	–	–	–	2
Whitechapel North –	12	5	–	–	2	–	–	–	–
Whitechapel Church H	4	11	–	–	1	–	–	–	2
Goodman's Fields – –	13	6	–	–	–	–	–	–	–
Aldgate – – – –	4	2	–	–	1	–	–	1	–
St. Mary St. Geo. East –	14	10	–	–	4	–	1	1	1
St. Paul St. Geo. East –	20	11	–	–	5	–	1	–	–
St. John St. Geo. East *W*	9	10	–	–	1	–	1	–	2
Shadwell *W* – – –	12	2	–	–	1	–	–	–	–
Ratcliff *W* – – –	12	6	–	–	1	–	–	1	–
Limehouse *W* – –	7	13	2	–	3	–	1	–	2
Mile End Old Town, West	33	14	–	–	–	–	2	–	–
Mile End Old T., East *Ww*	33	31	2	–	3	2	1	1	2
Bow *ww*L† – – –	51	34	–	–	4	–	1	–	3
Poplar *W* – – –	46	19	–	1	4	–	–	–	2
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	7	–	–	1	–	1	–	–
St. Saviour Southwark H	16	5	–	–	2	–	–	–	–
St. Olave Southwark H	–	9	–	–	–	–	–	1	1
St. John Horsleydown *W*	3	4	–	–	1	–	–	–	–
St. James Bermondsey –	53	18	–	1	3	–	–	–	–
St. Mary Magdalen *W* –	13	11	–	–	3	–	–	–	1
Leather Market – –	11	7	1	–	–	–	–	–	2
Kent-road – –	10	14	–	–	3	–	–	2	1
Borough-road *W* –	11	12	–	–	2	–	–	–	–
London-road L – –	18	11	–	1	1	–	1	–	–
Trinity Newington –	18	11	–	–	2	2	1	1	2
St. Peter Walworth *W*	37	19	–	2	4	1	–	1	1
St. Mary Newington H	13	16	–	–	1	–	1	–	–
Waterloo-road 1st –	8	6	–	–	–	–	–	1	1
Waterloo-road 2nd –	22	6	–	–	2	–	–	–	–
Lambeth Church 1st –	11	10	–	–	2	–	–	1	–
Lambeth Church 2nd *W*	21	13	–	–	–	–	–	–	1
Kennington 1st – –	33	16	–	1	–	–	–	1	1
Kennington 2nd – –	18	14	–	1	–	–	1	1	2
Brixton – – –	21	5	–	–	–	–	–	–	1
Norwood *W* – – –	7	4	–	–	–	–	1	–	1
Clapham – – –	17	9	1	–	1	–	–	1	1
Battersea *Ww* – –	55	23	–	–	1	–	2	–	3
Wandsworth L – –	12	10	–	–	3	–	–	–	2
Putney – – – –	3	1	–	–	–	–	–	–	–
Streatham – – –	3	3	–	–	–	–	–	1	–
Dulwich – – –	–	2	–	–	–	–	–	–	–
Camberwell *WL*†*L*† –	21	19	–	1	–	–	–	1	–
Peckham – – –	22	7	–	–	3	–	–	–	–
St. George Camberwell –	28	7	–	–	1	–	–	–	1
Rotherhithe *W* – –	14	14	–	–	2	–	–	–	2
St. Paul Deptford – –	40	17	–	1	6	–	–	–	1
St. Nicholas Deptford –	3	9	–	–	4	–	–	–	2
Greenwich West H –	13	16	–	–	2	–	–	1	3
Greenwich East *WH* –	10	8	–	–	–	–	–	2	–
Eltham – – – –	1	–	–	–	–	–	–	–	–
Lee – – – –	6	4	–	–	–	–	–	–	1
Lewisham Village *W* –	14	3	–	1	–	–	–	–	1
Sydenham – – –	15	5	–	–	–	–	–	–	1
Charlton H – – –	7	5	–	–	–	–	–	–	–
Woolwich Dockyard H	13	4	–	–	1	–	–	1	1
Woolwich Arsenal H –	23	9	–	–	–	–	1	–	1
Plumstead, West – –	11	3	–	–	1	–	–	–	2
Plumstead, East – –	7	8	–	–	–	–	1	–	3

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand – – „ „ Tottenham-court sub-district.
West London – – „ „ Islington East.
East London – – „ „ Hackney sub-district.
St. Luke Middlesex – „ „ Hoxton New Town sub-district.
London City – – „ „ Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney – – – „ „ Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.

DEATHS in LONDON, from ALL CAUSES, Registered in the THIRTY-EIGHTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 24 1859	Sept 22 1860	Sept 21 1861	Sept 20 1862	Sept 19 1863	Sept 24 1864	Sept 23 1865	Sept 22 1866	Sept 21 1867	Sept 19 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 25, 1869. ALL AGES.	Deaths of Persons of the Ages: Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	56°·5	55°·0	54°·4	58°·6	56°·1	56°·0	60°·9	53°·7	54°·8	57°·1	56°·3	Mean Temp. 56°·8						
	ALL CAUSES . . .	1058	1016	1126	1185	1186	1229	1143	1350	1138	1220	1165·1	1362	682	824	148	198	156	36
	SPECIFIED CAUSES .	1029	1013	1120	1162	1164	1211	1123	1344	1100	1198	1146·4	1359	679	821	148	198	156	36
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	325	277	320	385	432	389	320	471	323	348	359·0	513	359	451	20	25	15	2
II.	CONSTITUTIONAL „ .	229	224	239	209	225	239	242	239	230	269	234·5	239	60	83	64	67	21	4
III.	LOCAL „ .	307	348	367	384	347	418	356	435	337	389	368·8	422	145	166	52	96	92	16
IV.	DEVELOPMENTAL „ .	126	130	137	146	120	122	140	147	182	153	140·3	146	102	102	2	2	26	14
V.	VIOLENT DEATHS . .	42	34	57	38	40	43	65	52	28	39	43·8	39	13	19	10	8	2	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	283	253	294	356	400	368	289	448	284	323	329·8	471	330	421	17	17	14	2
	2. ENTHETIC „ . .	12	6	3	11	8	7	7	10	12	9	8·5	8	6	7	..	1	..	..
	3. DIETIC „ . .	21	17	16	12	15	8	19	9	18	12	14·7	27	17	17	3	6	1	..
	4. PARASITIC „ . .	9	1	7	6	9	6	5	4	9	4	6·0	7	6	6	..	1	..	..
II.	1. DIATHETIC . .	35	31	48	36	40	37	51	47	46	43	41·4	48	7	9	5	17	13	4
	2. TUBERCULAR „ . .	194	193	191	173	185	202	191	192	184	226	193·1	191	53	74	59	50	8	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	93	106	111	114	119	128	115	123	112	121	114·2	125	56	60	10	26	24	5
	2. „ OF ORGANS OF CIRCULATION .	47	50	52	52	42	56	49	50	49	57	50·4	58	1	5	9	24	17	3
	3. „ OF RESPIRATORY ORGANS . .	98	122	128	144	111	148	107	152	82	129	122·1	149	71	78	18	18	32	3
	4. „ OF DIGESTIVE ORGANS . . .	49	48	51	50	47	49	49	66	59	58	52·6	50	12	12	6	16	13	3
	5. „ OF URINARY ORGANS . . .	15	15	15	12	17	24	22	26	25	12	18·3	26	2	7	6	8	3	2
	6. „ OF ORGANS OF GENERATION .	2	3	3	..	5	6	6	4	4	3	3·6	4	..	..	1	2	1	..
	7. „ OF ORGANS OF LOCOMOTION .	..	3	1	7	2	3	1	8	1	4	3·0	4	1	2	1	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	3	1	6	5	4	4	7	6	5	5	4·6	6	2	2	1	1	2	..
IV.	1. DEV. DISEASES OF CHILDREN	23	28	35	32	18	26	34	31	42	39	30·8	34	34	34	..	..	..	..
	2. „ OF ADULTS .	10	1	7	5	5	7	7	2	4	4	5·2	2	..	..	2	..	..	..
	3. „ OF OLD PEOPLE	38	34	30	53	36	29	35	39	40	34	36·8	37	..	..	..	..	23	14
	4. DISEASES OF NUTRITION .	55	67	65	56	61	60	64	75	96	76	67·5	73	68	68	..	2	3	..
V.	*1 ACCIDENT OR NEGLIGENCE .	35	29	34	33	37	41	51	42	21	35	35·8	33	11	17	9	7	..	..
	3. HOMICIDE	..	..	17	1	1	..	5	1	..	..	2·5	2	2	2	..	..	..	..
	4. SUICIDE	7	5	6	4	2	2	9	8	7	4	5·4	4	..	..	1	1	2	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	4	..	2	1	3	1	8	..	2	1	2·2	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	25	3	4	22	19	17	12	6	36	21	16·5	3	3	3	..	..	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 24 1859	Sept 22 1860	Sept 21 1861	Sept 20 1862	Sept 19 1863	Sept 24 1864	Sept 23 1865	Sept 22 1866	Sept 21 1867	Sept 19 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 25, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and
	Mean Temperature	56°5	55°0	54°4	58°6	56°1	56°0	60°9	53°7	54°8	57°1	56°3	Mean Temp. 56°8						
I.	ORDER 1.																		
	1. Small-pox	23	3	4	13	36	10	13	25	15	4	14·6	8	5	7	1	..	..	..
	2. Measles	14	42	4	55	19	56	13	21	15	22	26·1	22	21	22	..	..	..	..
	3. Scarlet Fever (Scarlatina)	83	44	45	85	130	72	41	42	34	74	65·0	191	130	190	1	..	..	..
	4. Diphtheria	11	6	21	8	16	12	10	5	3	15	10·7	9	4	8	1	..	..	..
	5. Quinsy	2	2	1	..	2	1	1	1	3	..	1·3	2	1	2	..	..	..	..
	6. Croup	7	12	15	25	13	22	13	18	12	10	14·7	6	6	6	..	..	..	..
	7. Whooping-cough	12	28	47	18	21	27	32	21	16	32	25·4	49	47	49	..	..	..	..
	8. Typhus												9	..	4	2	3	..	..
	— Enteric Fever	42	26	31	66	59	65	58	50	44	56	49·7	23	4	12	5	3	3	..
	— Simple continued Fever												13	5	10	1	1	1	..
	9. Erysipelas	4	7	5	11	7	8	6	4	7	9	6·8	5	..	..	..	2	2	1
	10. Puerperal Fever (Metria)	3	5	1	1	3	4	2	1	2	4	2·6	6	..	1	3	2	..	..
	11. Carbuncle	2	..	1	..	3	1	1	1	1	1	1·1	1	..	..	..	..	1	..
	12. Influenza	..	1	1	..	1	1	..	..	..	..	·4	..	..	..	..	..	..	..
	13. Dysentery	6	2	3	1	2	2	2	4	2	..	2·4	3	..	..	1	1	1	..
	14. Diarrhœa	61	64	105	67	75	78	83	93	114	86	83·1	115	105	107	..	4	3	1
	15. Simple Cholera	3	1	6	2	2	3	3	150	12	1	18·3	2	2	2	..	..	..	..
	16. Ague	2	..	..	..	..	..	1	..	..	1	·4	..	..	..	..	..	..	..
	17. Remittent Fever	3	1	1	..	1	1	1	..	..	..	·8	1	..	..	..	..	1	..
	18. Rheumatism	5	9	3	4	10	5	9	7	4	8	6·4	6	..	1	2	1	2	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	10	6	3	8	7	4	6	10	11	9	7·4	7	6	6	..	1	..	..
	2. Stricture of Urethra	2	..	..	3	1	3	1	..	1	..	1·1	..	..	..	..	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	1	..	..	1	..	..	..	·2	..	..	..	..	..	..	..
	2. Want of Breast-milk	12	11	13	4	6	7	10	4	14	11	9·2	17	17	17	..	..	..	..
	3. Purpura and Scurvy	1	2	3	1	1	..	1	2	3	..	1·4	1	..	..	..	1	..	..
	4. Alcoholism *a* Del. Tremens	4	3	..	4	4	..	4	3	1	1	2·4	4	..	..	3	1	..	..
	4. Alcoholism *b* Intemperance	4	1	..	2	4	1	3	..	..	..	1·5	5	..	..	..	4	1	..
	ORDER 4.																		
	1. Thrush	8	1	7	5	9	6	5	4	8	3	5·6	6	6	6	..	..	..	..
	2. Worms, &c.	1	..	..	1	..	..	..	..	1	1	·4	1	..	..	..	1	..	..
II.	ORDER 1.																		
	1. Gout	2	2	1	1	2	1	..	1	4	3	1·7	..	..	..	..	..	..	..
	2. Dropsy	9	6	15	9	15	9	17	13	12	13	11·8	16	6	8	1	5	2	..
	3. Cancer	21	21	23	19	22	26	30	26	26	25	23·9	23	..	..	4	10	9	..
	4. Cancrum Oris (Noma)	..	..	1	2	1	..	1	2	1	..	·8	1	1	1	..	..	..	..
	5. Mortification	3	2	8	5	..	1	3	5	3	2	3·2	8	..	..	..	2	2	4
	ORDER 2.																		
	1. Scrofula	8	9	7	7	6	12	10	4	19	5	8·7	4	2	3	..	1	..	..
	2. Tabes Mesenterica	15	13	25	18	21	31	25	21	26	31	22·6	22	22	22	..	..	..	..
	3. Phthisis	145	143	136	132	142	132	140	141	117	170	139·8	149	6	24	59	49	8	..
	4. Hydrocephalus	26	28	23	16	16	27	16	26	22	20	22·0	25	23	25	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	8	12	9	9	16	8	11	13	8	16	11·0	9	7	9	..	..	..	..
	2. Apoplexy	25	32	31	26	26	17	19	38	26	28	26·8	24	2	2	4	7	10	1
	3. Paralysis	19	19	18	16	17	28	28	13	24	18	20·0	21	..	..	1	9	8	3
	4. Insanity	2	..	3	2	2	2	2	1	4	2	2·0	3	..	..	..	2	1	..
	5. Chorea	..	..	..	..	..	2	..	..	..	..	·2	..	..	..	..	..	..	..
	6. Epilepsy	3	5	6	9	1	6	5	7	4	6	5·2	9	..	..	3	4	2	..
	7. Convulsions	23	26	25	38	33	48	39	40	39	41	35·2	46	45	45	..	1	..	..
	8. *Brain Disease, &c.*	13	12	19	14	24	17	11	11	7	10	13·8	13	2	4	2	3	3	1
	ORDER 2.																		
	1. Pericarditis	2	3	2	2	4	1	1	1	2	4	2·2	3	..	..	1	2	..	..
	2. Aneurism	1	2	4	4	1	1	..	..	1	3	1·7	..	..	..	..	..	..	..
	3. *Heart Disease, &c.*	44	45	46	46	37	54	48	49	46	50	46·5	55	1	5	8	22	17	3
	ORDER 3.																		
	1. Laryngitis	3	4	5	8	2	2	6	2	5	5	4·2	2	1	2	..	..	..	..
	2. Bronchitis	38	45	67	62	51	80	47	71	39	63	56·3	62	24	25	4	7	23	3
	3. Pleurisy	6	1	2	2	..	5	2	4	..	2	2·4	8	..	2	2	3	1	..
	4. Pneumonia	36	61	45	58	45	47	42	62	25	49	47·0	54	36	38	6	5	5	..
	5. Asthma	7	5	3	6	3	5	..	4	4	8	4·5	3	..	..	1	1	1	..
	6. *Lung Disease, &c.*	8	6	6	8	10	9	10	9	9	2	7·7	20	10	11	5	2	2	..
	ORDER 4.																		
	1. Gastritis	3	1	1	1	2	1	1	3	3	2	1·8	1	1	1	..	..	..	..
	2. Enteritis	5	5	8	6	5	4	7	5	10	9	6·4	7	6	6	..	..	1	..
	3. Peritonitis	5	7	8	5	1	6	4	6	5	4	5·1	3	1	1	..	1	1	..
	4. Ascites	3	4	1	2	5	4	2	4	..	4	2 9	1	..	..	..	1	..	..
	5. Ulceration of Intestines	2	2	3	..	1	2	3	2	3	..	1·8	2	..	..	1	..	1	..
	6. Hernia	1	3	1	1	2	1	3	2	5	1	2·0	2	1	1	..	..	1	..
	7. Ileus	2	2	..	2	1	1	3	3	2	2	1·8	4	1	1	..	1	2	..
	8. Intussusception	1	1	..	..	..	..	..	1	2	..	·5	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

n the THIRTY-EIGHTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Sept 24 1859	Sept 22 1860	Sept 21 1861	Sept 20 1862	Sept 19 1863	Sept 24 1864	Sept 23 1865	Sept 22 1866	Sept 21 1867	Sept 19 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, September 25, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	56°5	55°0	54°4	53°6	56°1	56°0	60°9	53°7	54°8	57°1	56°3	Mean Temp. 56°8						
	9. Stricture of Intestines	..	..	1	2	1	1	1	1	..	2	·9	1	..	..	..	..	1	..
	10. Fistula	..	1	..	3	1	..	..	1	1	..	·7	1	..	..	..	..	1	..
	11. *Stomach Disease, &c.*	4	3	9	7	5	5	2	7	6	6	5·4	5	1	1	..	2	1	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	5	1	5	4	2	7	8	5	4	5	4·6	1	..	..	..	1	..	..
	14. Jaundice	2	5	2	3	8	2	2	8	1	6	3·9	7	1	1	1	3	1	1
	15. *Liver Disease, &c.*	16	13	12	14	13	15	13	18	16	16	14·6	15	..	..	4	7	3	1
	16. *Spleen Disease, &c.*	..	..	..	..	..	..	..	..	1	1	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	2	2	..	2	..	4	1	1	..	..	1·2	1	1	1	..	..	..	..
	2. Ischuria	..	..	1	1	..	1	..	1	..	..	·4	1	..	..	..	..	..	1
	3. Bright's disease (Nephria)	7	3	10	4	10	9	11	3	8	6	7·1	7	1	3	1	3	..	..
	4. Diabetes	..	2	1	2	1	3	2	1	1	..	1·3	1	..	..	1	..	..	..
	5. Calculus (Stone)	..	..	..	..	..	..	..	2	1	1	·4	2	..	..	..	1	1	..
	6. Cystitis	..	..	..	..	1	..	1	3	2	..	·7	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	6	8	3	3	5	7	7	15	13	5	7·2	14	..	3	4	4	2	1
	ORDER 6.																		
	1 Ovarian Dropsy	..	..	1	..	2	2	..	..	..	..	·5	1	..	..	..	..	1	..
	2. *Uterus Disease, &c.*	2	3	2	..	3	4	6	4	4	3	3·1	3	..	..	1	2	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	1	..	..	·1	1	..	1	..	..	..	..
	2. *Joint Disease, &c.*	..	3	1	7	2	3	1	7	1	4	2·9	3	1	1	1	1	..	..
	ORDER 8.																		
	1. Phlegmon	1	..	2	2	3	2	4	..	3	2	1·9	2	..	..	1	1	..	..
	2. Ulcer	1	1	1	1	..	..	1	2	..	2	·9	1	..	..	..	..	1	..
	3. *Skin Disease, &c.*	1	..	3	2	1	2	2	4	2	1	1·8	3	2	2	..	..	1	..
IV.	ORDER 1.																		
	1. Premature Birth	16	13	17	25	11	12	23	18	19	21	17·5	17	17	17	..	..	..	..
	2. Cyanosis	..	..	2	1	1	1	2	3	1	1	1·2	..	..	..	..	..	..	..
	3. Spina Bifida	..	2	..	1	..	1	..	2	3	..	·9	..	..	..	..	..	..	..
	4. Other Malformations	1	..	1	..	1	..	..	..	..	4	·7	..	..	..	..	..	..	..
	5. Teething	6	13	15	5	5	12	9	8	19	13	10·5	17	17	17	..	..	..	..
	ORDER 2.																		
	1. Paramenia	2	..	1	..	..	1	1	..	..	..	·5	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	8	1	6	5	5	6	6	2	4	4	4·7	2	..	..	2	..	..	..
	ORDER 3.																		
	1. Old Age	38	34	30	53	36	29	35	39	40	34	36·8	37	..	..	..	..	23	14
	ORDER 4.																		
	1. Atrophy and Debility	55	67	65	56	61	60	64	75	96	76	67·5	73	68	68	..	2	3	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	22	15	20	18	19	19	25	16	11	13	17·8	16	3	6	5	5	..	..
	2. Wounds	1	..	..	..	2	..	..	1	2	1	·7	..	..	..	..	..	..	..
	3. Burns and Scalds	1	5	4	3	3	4	3	5	1	7	3·6	2	2	2	..	..	..	..
	4. Poison.	..	..	1	2	1	1	..	1	..	2	·8	..	..	..	..	..	..	..
	5. Drowning	3	4	2	5	7	5	11	9	4	5	5·5	7	..	2	4	1	..	..
	6. Suffocation	7	4	6	4	5	5	9	7	1	3	5·1	7	6	7	..	..	..	..
	7. Otherwise	1	1	1	1	..	7	3	3	2	4	2·3	1	..	..	..	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	..	..	17	1	1	..	5	1	..	..	2·5	2	2	2	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	1	..	..	1	..	1	2	1	1	..	·7	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	2	..	1	1	..	..	1	4	..	..	·9	1	..	..	..	..	1	..
	2. Poison.	2	3	..	..	..	1	2	1	1	..	1·0	..	..	..	..	..	..	..
	3. Drowning	..	..	2	1	1	..	1	1	3	3	1·2	1	..	..	1	..	..	..
	4. Hanging	2	2	2	1	1	..	3	1	1	1	1·4	2	..	..	..	1	1	..
	5. Otherwise	..	..	1	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	4	..	2	1	3	1	8	..	2	1	2·2	..	..	..	..	..	..	..
	Causes not specified or ill-defined	25	3	4	22	19	17	12	6	36	21	16·5	3	3	3	..	..	..	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 25th September, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. Osler's. General Direction. P.M.	Wind. Osler's. Pressure on square foot. Greatest.	Wind. Osler's. Pressure on square foot. Least.	Wind. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
September.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday .	19	..	29·310	61·7	50·2	11·5	54·0	46·1	111·0	43·0	57·4	55·4	7·9	11·2	5·3	— 2·2	75	WSW.	WSW.	21·6	0·2	2·4	585	0·11	5
Monday .	20	Full	29·380	60·3	48·0	12·3	51·9	43·4	86·5	40·7	56·9	54·4	8·5	13·9	2·5	— 4·1	73	WSW.	WSW, N, & NNW.	2·4	0·0	0·2	254	0·00	2
Tuesday .	21	Apogee In Equator	29·691	64·8	42·5	22·3	52·4	46·1	76·8	34·9	56·4	54·4	6·3	16·4	0·9	— 3·4	79	WSW. & W.	W. & WSW.	2·2	0·0	0·2	327	0·01	1
Wednesday	22	..	30·028	64·2	47·1	17·1	55·2	48·0	103·5	40·1	56·9	54·9	7·2	14·4	2·1	— 0·3	77	WSW.	W. & WSW.	3·5	0·0	0·5	317	0·00	2
Thursday .	23	..	30·048	67·8	53·5	14·3	58·9	53·4	110·0	46·5	56·4	54·4	5·5	12·8	0·0	+ 3·7	82	WSW.	WSW & SW	11·0	0·1	1·6	469	0·00	4
Friday . .	24	..	29·958	72·2	59·0	13·2	63·6	60·3	110·2	56·5	56·7	54·7	3·3	10·1	0·0	+ 8·6	89	SW.	SW & WSW.	3·6	0·0	0·5	344	0·00	2
Saturday .	25	..	29·749	73·5	51·8	21·7	61·9	52·7	124·2	43·8	57·6	55·4	9·2	19·4	0·0	+ 7·1	72	WSW & SW	SW.	20·8	0·0	0·9	400	0·00	4
Means . .		..	29·738	66·4	50·3	16·1	56·8	50·0	103·2	43·6	56·9	54·8	6·8	14·0	1·5	+ 1·3	78	WSW.		..	..	..	Sum 2696	Sum 0·12	2·9
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date.		Electricity.	Sky and Atmosphere.
September.			
Sunday .	19	The insulating lamp was not burning throughout the week.	Cloudy throughout the morning and rain fell occasionally; generally cloudless during the afternoon and evening. A gale of wind.
Monday .	20		The sky was generally covered with cloud till evening; afterwards cloudless but hazy.
Tuesday .	21		Partially cloudy. A shower of rain fell about 7h. P.M.
Wednesday	22		Fine, partially cloudy. Haze and fog prevailed during the morning.
Thursday .	23		Generally cloudy.
Friday .	24		Overcast during the morning, and a little rain fell; fine and partially cloudy in the afternoon; again overcast at night.
Saturday .	25		Cloudless throughout the morning; afterwards a few light clouds prevailed. A very fine day.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·04 in. at the beginning of the week to 29·02 in. very shortly afterwards; increased to 29·42 in. by 9h. A.M. on the 20th; decreased to 29·33 in. by 3h. P.M. on the same day; increased to 30·08 in. by 9h. A.M. on the 23d; and was 29·70 in. at the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 39. 1869. Vol. XXX.] Week ending Saturday, October 2. [Price 1*d*.

General Register Office, Somerset House, 4th October 1869.

In the week that ended on Saturday, 2d October, 4447 births, and 2959 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 24 per 1000 persons living.

The annual rate of mortality last week was 23 per 1000 in London, 22 in Edinburgh, and 24 in Dublin; 22 in Bristol, 20 in Birmingham, 28 in Liverpool, 23 in Manchester, 30 in Salford, 25 in Sheffield, 21 in Bradford, 25 in Leeds, 26 in Hull, 23 in Newcastle-upon-Tyne, and 25 in Glasgow.

Scarlet fever was last week fatally prevalent in Liverpool, Leeds, and Sheffield, as well as in London. The deaths referred to this disease during the week showed an annual death-rate equal to 4·3 per 1000 persons living in Liverpool, 3·9 in both London and Leeds, and 3·3 in Sheffield.

In Paris the annual rate of mortality in the week ending last Saturday (2d October) was 20 per 1000. The rate in Berlin during the seven days ending 30th ultimo was 28 per 1000, and in Vienna 26 per 1000 during the week ending 25th ultimo.

In London the births of 1076 boys and 1043 girls, in all 2119 children, were registered last week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2130.

The deaths registered in London during the week were 1395. It was the thirty-ninth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1318. The deaths in the present return exceed by 77 the estimated amount.

The deaths from zymotic diseases were 505, the corrected average number being 389. Six deaths from small-pox, 20 from measles, 238 from scarlet fever, 6 from diphtheria, 51 from whooping-cough, 8 from typhus fever, 22 from enteric fever, 12 from simple continued fever, and 76 from diarrhœa were registered.

Fourteen hundred and forty-five deaths have been registered from scarlet fever during the last nine weeks, and the mortality from this disease was greater last week than any recorded for a considerable period. Of the total 238 deaths registered last week, 160 were those of children under 5 years of age, 74 of children above 5 and under 15 years of age, and 4 of persons aged 15 years and upwards. Sixteen cases were recorded in the West districts, 33 in the North, 28 in the Central, 101 in the East, and 60 in the South districts.

The wife of a hammerman, aged 34 years, died on 30th September at 13 James-street, Clapham, from simple "cholera rice-water purging (2 days)."

The deaths of 3 children from choleraic diarrhœa were recorded.

One hundred and forty-one persons died from phthisis, 64 from bronchitis, and 50 from pneumonia. The corrected average number of deaths from phthisis is 154, from bronchitis 73, and from pneumonia 62.

The deaths of 5 persons from alcoholism, of 8 infants from syphilis, of 6 children and one adult from burns or scalds, of 6 persons from drowning, of 10 infants from suffocation, and of 4 persons who committed suicide were registered.

A cab proprietor, aged 28 years, died on 22d September, at 52 James-street, Kennington-park, from "hydrophobia (3 days); bitten by a rabid dog 30 days previously." (*Inquest.*)

The following deaths of 7 persons who were killed by horses or vehicles in the streets were recorded:—

A female, aged 30 years, "wound of thigh; run over by a fire-engine." Died on 20th September in St. Mary's Hospital. *Post mort.* (*Inquest.*)

A porter, aged 44 years, "fractured ribs, laceration of liver and spleen; fell from and run over by a van on 20th September in the Knightsbridge-road." Died instantly. *Post mort.* (*Inquest.*)

The widow of a labourer, aged 80 years, "fracture of right arm; knocked down by a horse." Died on 24th September in St. Bartholomew's Hospital. (*Inquest.*)

A carman, aged 50 years, "fell from a van." Died on 17th September in East-road, Hoxton New Town. (*Inquest.*)

The son of a labourer, aged 6 years, "fractured skull; run over." Died on 30th September in the London Hospital. (*Inquest.*)

A spinster, aged 74 years, "run over by an omnibus." Died on 18th September in High-street, Bow. *Post mort.* (*Inquest.*)

The widow of a boot-maker, aged 74 years, "fracture of left leg and other injuries; run over by a cab." Died on 23d September in Guy's Hospital. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·613 in. The barometrical reading decreased from 29·88 in. on Monday, 27th September, to 29·37 in. on Wednesday, 29th September. The mean temperature of the air in the week was 58·8°, which is 4·6° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 75·1° on Wednesday, 29th September. The lowest night temperature was 46·6° on Monday, 27th September. The entire range of temperature in the week was, therefore, 28·5°. The mean of the highest temperatures of the water of the Thames was 57·9°; that of the lowest was 56·4°. The difference between the mean dew-point temperature and air temperature was 5·9°. The mean degree of humidity of the air was 81, complete saturation being represented by 100. Rain fell to the amount of 0·81 in., of which 0·42 in. fell on Thursday, 30th September, and 0·28 in. on Saturday, 2d October. On Wednesday, 29th September the rain-fall at Liverpool amounted to 1·11 in., at Eccles to 0·81 in., and at Manchester to 0·77 in. On Friday, 1st October, the rain-fall at Bristol amounted to 0·95 in. The general direction of the wind was W.S.W., S.S.W., and S.S.E.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 197,077 cubic metres, and at Barking 181,494 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Thirty-ninth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total **Births**	1578	1802	1843	1742	1801	2023	2156	2146	2136	2131	1936·3	2119
Males . .	812	909	925	899	948	1062	1066	1057	1122	1062	986·2	1076
Females . .	766	893	923	843	853	961	1090	1089	1014	1069	950·1	1043
Total **Deaths**	1014	1056	1108	1140	1233	1284	1214	1418	1194	1327	1198·8	1395
Males . .	492	543	578	575	618	670	616	693	626	664	607·5	694
Females . .	522	513	530	565	615	614	598	725	568	663	591·3	701

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	July 10.	July 17.	July 24.	July 31.	Aug. 7.	Aug. 14.	Aug. 21.	Aug. 28.	Sept. 4.	Sept. 11.	Sept. 18.	Sept. 25.	Oct. 2.
Deaths - - - - -	1279	1313	1600	1646	1630	1591	1527	1463	1391	1601	1409	1362	1395
Deaths under 5 years of age -	541	652	897	967	972	920	810	767	740	854	716	682	690
Deaths under 20 years of age	660	758	1010	1080	1100	1039	916	892	886	986	861	824	848
Deaths 20—40 - - -	194	150	161	181	159	166	184	153	162	183	159	148	175
Deaths 40–60 - - -	205	204	184	204	163	187	201	177	153	198	197	198	178
Deaths at 60 years of age and upwards - - -	220	201	245	181	208	199	226	241	190	234	192	192	194
Deaths from Smallpox - -	4	2	5	4	2	5	5	5	5	5	6	8	6
„ „ Measles - -	29	35	23	33	25	31	21	20	19	38	21	22	20
„ „ Scarlet Fever -	85	77	75	88	100	114	132	143	170	179	178	191	238
„ „ Diphtheria -	6	4	4	3	8	6	5	6	7	8	13	9	6
„ „ Whooping-cough	69	77	67	67	65	68	60	87	75	70	64	49	51
„ „ Typhus fever -	12	14	8	18	6	10	13	10	9	12	6	9	8
„ „ Enteric fever -	18	17	21	16	22	12	17	18	25	22	21	23	22
„ „ Simple Cont^{d} fever	12	11	14	10	10	3	5	13	12	18	12	13	12
„ „ Diarrhœa - -	50	102	253	384	394	346	264	195	161	185	139	115	76
„ „ Phthisis - -	144	163	166	176	156	162	172	130	143	168	133	140	141
„ „ Bronchitis - -	92	80	64	48	65	50	54	53	50	79	63	62	64
„ „ Pneumonia -	52	52	76	46	40	48	55	36	53	54	45	54	50
„ „ Heart Disease -	57	55	55	49	40	59	49	53	43	48	46	55	55
Mean Temperature of the Air	64°·2	66°·9	66°·0	64°·0	59°·8	58°·5	58°·7	68°·4	56°·1	63°·5	58°·1	56°·8	58°·8
Mean Temperature of the Water of the Thames -	62·0	64·4	67·4	66·5	64·0	61·8	60·5	63·1	62·4	60·4	58·1	55·9	57·1
Humidity of the Air - -	73	72	76	77	77	77	74	69	66	75	82	78	81
Rain-fall in inches - -	0·00	0·14	0·00	0·41	0·47	0·73	0·01	0·00	0·00	0·69	1·85	0·12	0·81

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 2d day of October 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 2d Oct.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 2d Oct.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4447**	**3244**	**2959**	**75·1**	**44·0**	**56·4**	**1·40**	**141**	**23·95**	**6·67**	**13·55**	**356**
London (Metropolis . .	3,170,754	40·7	2070	2119	1462	1395	75·1	46·6	58·8	0·81	82	23·95	8·12	14·89	206
Bristol . . (City) .	169,423	36·1	109	107	76	70 *	71·8	47·8	58·2	2·31	233	22·12	8·78	14·55	587
Birmingham . (Borough) .	360,846	46·1	283	230	175	137	73·0	46·1	57·3	1·27	128	22·78	7·84	14·06	323
Liverpool . . (Borough) .	509,052	99·7	345	349	295	272	66·3	49·0	56·1	1·94	196	19·06	9·44	13·39	493
Manchester . (City) .	370,892	82·7	277	283	210	164 *	68·5	45·8	56·8	1·46	147	20·28	7·67	13·78	371
Salford . . (Borough) .	119,350	23·1	89	80	60	69	69·1	45·5	56·7	1·46	147	20·62	7·50	13·72	371
Sheffield . . (Borough) .	239,752	10·5	196	186	126	114	68·0	46·2	55·9	0·95	96	20·00	7·89	13·28	241
Bradford . . (Borough) .	138,522	21·0	105	125	71	57	68·8	49·5	56·1	0·60	61	20·45	9·72	13·39	152
Leeds . . . (Borough) .	253,110	11·7	189	210	129	123	73·0	48·0	57·4	0·60	61	22·78	8·89	14·11	152
Hull . . . (Borough) .	126,682	35·6	83	72	59	62	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	109	69	57	..	..	..	..	..	..	..	..	..
Edinburgh . (City) .	178,002	40·2	112	111	86	75	63·7	44·0	53·2	1·50	151	17·51	6·67	11·78	381
Glasgow . . (City) .	458,937	90·6	374	322	268	217	63·9	44·6	53·7	2·02	204	17·72	7·01	12·06	513
Dublin (City and some suburbs)	320,762	32·9	219	144	158	147	65·2	44·4	56·0	1·92	194	18·44	6·89	13·33	488
Paris . . . (City) .	1,889,842	..	..	..	..	713	..	..	..	..	..	..	..	..	..
				Week ending 25thSept.1869.		Week ending 25thSept.1869.	Week ending 25th September 1869.					Week ending 25th September 1869.			
Vienna . . (City) .	605,200	..	..	..	..	296	..	..	59·7	..	..	..	..	15·38	..
	(1867)			Week ending 30thSept.1869.		Week ending 30thSept 1869.	Week ending 30th September 1869.					Week ending 30th September 1869.			
Berlin . . (City) .	702,437	..	..	664	..	384	..	..	58·6	..	..	..	..	14·75	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool: T. Mackereth, Esq., Eccles, near Manchester: G.V.Vernon, Esq., Old Trafford, Manchester: D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 2d October, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2119	1395	6	20	238	6	51	42	76
WEST DISTRICTS -	295	219	-	6	16	1	4	6	16
NORTH DISTRICTS -	499	294	1	2	33	1	10	8	22
CENTRAL DISTRICTS	205	152	-	-	28	-	8	7	7
EAST DISTRICTS -	449	356	1	6	101	4	14	7	12
SOUTH DISTRICTS -	671	374	4	6	60	-	15	14	19
WEST DISTRICTS.									
St. Mary Paddington *WH*	35	20	-	-	1	-	2	-	4
St. John Paddington H	10	8	-	-	2		-	-	-
Kensington Town *W* -	50	27	-	-	6	-	-	-	2
Brompton H - -	10	11	-	-	-	-	-	-	-
St. Peter Hammersmith	2	-	-	-	-	-	-	-	-
St. Paul Hammersmith	31	19	-	-	2	-	-	1	2
Fulham *W* - - -	15	9	-	-	-	-	-	-	2
Chelsea South H - -	9	9	-	-	-	-	-	-	-
Chelsea North-west H *Ww*	10	13	-	2	-	-	-	-	2
Chelsea North-east -	18	11	-	-	-	-	1	-	-
Hanover Square - -	3	5	-	-	-	-	-	1	-
May Fair *W* - -	7	10	-	-	-	-	-	1	-
Belgrave H - - -	32	20	-	-	2	-	-	1	2
St. John Westminster -	17	11	-	-	-	-	-	1	-
St. Margaret West. *WH*	21	28	-	2	-	-	1	1	2
St. James's Square -	2	1	-	-	-	-	-	-	-
Golden Square *W* -	6	9	-	1	2	-	-	-	-
Berwick-street - -	4	5	-	1	-	-	-	-	-
St. Anne Soho - -	13	3	-	-	1	1	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	21	13	-	-	1	-	1	-	-
Cavendish Square - -	4	4	-	-	1	-	-	-	-
Rectory Marylebone *W*	20	14	-	-	3	-	-	-	-
St. Mary Marylebone -	18	7	-	-	-	-	1	-	1
Christchurch Marylebone	26	9	-	-	4	-	-	1	1
St. John Marylebone -	20	10	-	-	-	-	-	-	2
Hampstead *W* - -	18	9	-	-	-	-	1	-	-
Regent's Park Pancras -	27	14	-	-	3	-	-	-	1
Tottenham-court *w*H -	16	17	-	-	1	-	2	-	-
Gray's Inn Lane H -	24	7	-	-	-	1	1	-	-
Somers Town - -	22	18	-	-	1	-	-	1	2
Camden Town *W* -	11	12	-	-	-	-	-	1	2
Kentish Town - -	42	22	-	1	1	-	-	-	2
Islington West* *WHII*	60	50	-	-	9	-	1	2	3
Islington East *Ww* -	97	43	-	1	7	-	1	2	5
Stoke Newington - -	6	1	-	-	-	-	-	-	-
Stamford Hill - -	4	7	-	-	-	-	-	-	-
West Hackney - -	23	9	-	-	-	-	1	-	-
Hackney *WHw* - -	27	17	1	-	1	-	1	-	2
South Hackney L -	13	11	-	-	1	-	-	1	1
CENTRAL DISTRICTS.									
St. George Bloomsbury -	8	2	-	-	-	-	-	1	-
St. Giles South *W* -	35	11	-	-	-	-	1	1	1
St. Giles North - -	7	1	-	-	-	-	1	-	-
Long Acre - - -	4	3	-	-	-	-	-	-	-
Charing Cross *WH* -	7	4	-	-	-	-	-	-	-
St. Mary-le Strand -	3	4	-	-	-	-	-	-	-
St. Clement Danes H -	3	6	-	-	-	-	-	-	1
‡St. George-the-Martyr H	9	8	-	-	1	-	-	-	1
St. Andrew, East Holb. *W*	4	9	-	-	2	-	-	-	-
Saffron Hill - - -	5	2	-	-	-	-	-	-	-
St. James Clerkenwell *W*	10	10	-	-	2	-	2	-	-
Amwell Clerkenwell -	7	9	-	-	2	-	1	1	-
Pentonville - - -	7	4	-	-	1	-	-	1	1
Goswell-street - -	16	7	-	-	3	-	1	-	-
Old street - - -	7	9	-	-	2	-	-	-	1
City-road HL - -	22	9	-	-	2	-	1	-	-
Whitecross-street - -	20	8	-	-	1	-	-	1	1
Finsbury - - -	5	3	-	-	-	-	1	-	-
St. Botolph East London	3	3	-	-	-	-	-	-	-
Cripplegate - - -	5	12	-	-	5	-	-	1	1
West London North *WH*	1	14	-	-	1	-	-	-	-
West London South -	6	4	-	-	4	-	-	-	-
London City South-west	-	1	-	-	1	-	-	-	-
London City North-west	2	3	-	-	-	-	-	-	-
London City South -	3	1	-	-	1	-	-	-	-
London City South-east	4	3	-	-	-	-	-	1	-
London City North-east	2	2	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	10	5	-	-	3	-	-	-	-
St. Leonard Shrdtch. L†	20	8	-	-	4	-	-	-	-
Hoxton New Town *w* -	20	19	-	-	6	-	-	-	-
Hoxton Old Town - -	17	11	-	-	2	-	1	-	-
Haggerstone West *W* -	14	18	-	1	3	1	2	-	-
Haggerstone East - -	16	9	-	-	4	-	-	-	-
Hackney road - -	25	14	-	-	6	-	2	-	-
Green, Bthnl. Grn. *WHL*†	36	28	-	-	10	-	1	-	-
Church, Bethnal Green	15	15	-	2	5	-	1	-	-
Town, Bethnal Green -	18	15	-	-	5	-	-	1	-
Artillery Whitechapel -	2	1	-	-	-	-	-	-	-
Spitalfields - - -	12	14	-	-	5	-	-	2	-
Mile End New Town *W*	22	12	-	-	2	-	1	-	-
Whitechapel North -	4	8	-	-	5	-	-	-	-
Whitechapel Church H	5	12	-	-	3	-	-	-	-
Goodman's Fields - -	7	9	-	1	2	-	-	-	-
Aldgate - - - -	5	8	-	-	1	-	-	-	-
St. Mary St. Geo. East -	16	7	-	-	3	-	-	-	-
St. Paul St. Geo. East -	7	10	-	-	4	-	-	-	-
St. John St. Geo. East *W*	16	4	-	-	-	-	-	-	-
Shadwell *W* - - -	10	1	-	-	-	1	-	-	-
Ratcliff *W* - - -	9	7	-	-	3	-	-	-	-
Limehouse *W* - -	15	13	-	-	1	-	2	-	-
Mile End Old Town, West	25	23	-	-	7	-	2	1	-
Mile End Old T., East *Ww*	28	17	1	2	4	-	-	1	-
Bow *ww*L† - - -	44	46	-	-	10	1	1	2	-
Poplar *W* - - -	31	22	-	-	3	1	1	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	7	-	-	2	-	-	-	-
St. Saviour Southwark H	8	4	-	-	1	-	-	-	-
St. Olave Southwark H	-	16	-	-	4	-	-	2	-
St. John Horsleydown *W*	12	4	-	-	1	-	-	-	-
St. James Bermondsey -	40	27	-	2	7	-	1	2	-
St. Mary Magdalen *W*	14	10	-	-	4	-	-	-	-
Leather Market - -	25	6	-	-	-	-	1	-	-
Kent-road - - -	10	9	-	-	4	-	2	-	-
Borough-road *W* - -	7	13	-	-	-	-	-	-	-
London-road L - -	9	8	-	-	2	-	-	1	-
Trinity Newington -	13	6	-	-	4	-	-	-	-
St. Peter Walworth *W*	51	23	-	-	4	-	1	1	-
St. Mary Newington H -	14	5	-	-	-	-	-	1	-
Waterloo-road 1st - -	7	1	-	-	-	-	-	-	-
Waterloo-road 2nd -	15	8	-	-	-	-	-	1	-
Lambeth Church 1st -	16	5	-	-	1	-	2	-	-
Lambeth Church 2nd *W*	43	15	-	1	3	-	1	-	-
Kennington 1st - -	26	8	-	-	-	-	-	1	-
Kennington 2nd - -	19	7	-	-	-	-	-	-	-
Brixton - - - -	17	11	-	-	-	-	-	-	-
Norwood *W* - - -	5	1	-	-	-	-	-	-	-
Clapham - - -	12	7	1	-	-	-	-	1	-
Battersea *Ww* - -	52	17	1	-	1	-	-	-	-
Wandsworth L - -	9	5	-	-	2	-	-	-	-
Putney - - - -	8	2	-	-	-	-	-	-	-
Streatham - - -	7	6	-	-	3	-	-	-	-
Dulwich - - - -	2	1	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	23	21	1	-	2	-	1	-	1
Peckham - - -	22	22	-	-	2	-	-	1	-
St. George Camberwell -	19	17	-	-	5	-	2	1	-
Rotherhithe *W* - -	19	7	-	1	1	-	2	-	-
St. Paul Deptford - -	35	17	-	-	1	-	-	-	2
St. Nicholas Deptford -	9	4	-	-	2	-	-	-	-
Greenwich West H -	10	8	-	1	2	-	1	1	-
Greenwich East *WH* -	11	13	-	-	-	-	-	-	1
Eltham - - - -	1	-	-	-	-	-	-	-	-
Lee - - - -	7	5	-	-	-	-	-	-	-
Lewisham Village *W* -	11	4	-	-	-	-	-	-	-
Sydenham - - -	14	3	1	-	-	-	-	-	-
Charlton H - - -	8	2	-	-	-	-	-	-	-
Woolwich Dockyard H	9	2	-	-	-	-	-	-	-
Woolwich Arsenal H -	9	4	-	-	-	-	-	1	-
Plumstead, West - -	8	6	-	-	-	-	1	-	-
Plumstead, East - -	6	7	-	1	2	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.

DEATHS in LONDON, from ALL CAUSES, Registered in the THIRTY-NINTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 1 1859	Sept 29 1860	Sept 28 1861	Sept 27 1862	Sept 26 1863	Oct. 1 1864	Sept 30 1865	Sept 29 1866	Sept 28 1867	Sept 26 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 2, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	58°·7	50°·1	53°·8	56°·6	50°·4	54°·5	59°·3	55°·5	53°·0	58°·4	55°·0	Mean Temp 58°·8						
	ALL CAUSES . . .	1014	1056	1108	1140	1233	1284	1214	1418	1194	1327	1198·8	1395	690	848	175	178	159	35
	SPECIFIED CAUSES .	989	1051	1104	1133	1222	1277	1205	1415	1167	1321	1188·4	1392	687	845	175	178	159	35
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	302	278	288	359	416	404	317	483	324	371	354·2	505	353	447	26	16	10	6
II.	CONSTITUTIONAL „ .	185	235	210	201	217	249	264	268	262	279	237·0	247	74	90	74	55	28	..
III.	LOCAL „ .	329	390	393	431	412	439	414	469	394	441	411·2	434	141	182	57	96	87	12
IV.	DEVELOPMENTAL „ .	136	126	140	113	131	129	162	142	145	191	141·5	152	99	99	4	2	31	16
V.	VIOLENT DEATHS . .	37	22	73	29	46	56	48	53	42	39	44·5	54	20	27	14	9	3	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	271	248	267	333	395	382	287	449	294	326	325·2	480	335	429	23	13	9	6
	2. ENTHETIC „ . .	6	7	1	5	7	5	7	13	8	15	7·4	10	8	8	1	1	..	..
	3. DIETIC „ . .	20	15	11	14	11	14	21	18	13	22	15·9	11	6	6	2	2	1	..
	4. PARASITIC „ . .	5	8	9	7	3	3	2	3	9	8	5·7	4	4	4	..	..	..	..
II.	1. DIATHETIC „ . .	43	46	34	31	44	46	42	62	55	47	45·0	42	4	5	5	15	17	..
	2. TUBERCULAR „ . .	142	189	176	170	173	203	222	206	207	232	192·0	205	70	85	69	40	11	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	99	116	99	133	119	134	133	133	122	126	121·4	140	56	64	13	32	27	4
	2. „ OF ORGANS OF CIRCULATION .	48	51	55	47	57	53	68	74	52	58	56·3	64	1	10	16	22	15	1
	3. „ OF RESPIRATORY ORGANS . .	95	144	146	172	151	159	114	168	130	164	144·3	141	69	80	9	22	27	3
	4. „ OF DIGESTIVE ORGANS . .	52	55	59	47	52	55	68	59	55	54	55·6	44	9	12	10	11	9	2
	5. „ OF URINARY ORGANS . . .	25	18	18	17	19	26	16	25	27	22	21·3	29	3	9	5	7	7	1
	6. „ OF ORGANS OF GENERATION .	3	3	5	3	6	6	4	5	3	9	4·7	6	..	..	2	2	2	..
	7. „ OF ORGANS OF LOCOMOTION .	2	..	6	7	3	3	4	2	5	6	3·8	6	1	4	2	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	5	3	5	5	5	3	7	3	..	2	3·8	4	2	3	..	..	..	1
IV.	1. DEV. DISEASES OF CHILDREN	47	40	34	28	28	42	38	30	32	54	37·3	37	37	37	..	..	..	..
	2. „ OF ADULTS . .	3	3	5	6	7	3	8	6	4	5	5·0	5	..	..	4	1	..	..
	3. „ OF OLD PEOPLE	43	26	44	33	47	32	40	46	30	39	38·0	39	..	..	..	..	23	16
	4. DISEASES OF NUTRITION .	43	57	57	46	49	52	76	60	79	93	61·2	71	62	62	..	1	8	..
V.	1. ACCIDENT OR NEGLIGENCE .	33	19	67	22	42	43	38	42	36	34	37·6	43	15	21	11	7	3	1
	*3. HOMICIDE	1	2	..	4	1	4	5	4	1	1	2·3	7	5	5	2	..	..	..
	4. SUICIDE	3	1	6	3	3	8	5	6	4	3	4·2	4	..	1	1	2	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	1	..	1	1	1	·4	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	1	3	2	1	7	..	6	2	..	1	2·3	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	24	2	2	6	4	7	3	1	27	5	8·1	3	3	3	..	..	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 1 1859	Sept 29 1860	Sept 28 1861	Sept 27 1862	Sept 26 1863	Oct. 1 1864	Sept 30 1865	Sept 29 1866	Sept 28 1867	Sept 26 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 2, 1869. Deaths of Persons of the Ages: ALL AGES. Mean Temp.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	° 58·7	° 50·1	° 53·8	° 56·6	° 50·4	° 54·5	° 59·3	° 55·5	° 53·0	° 58·4	° 55·0	° 58·8						
I.	ORDER 1.																		
	1. Small-pox	19	3	1	8	29	11	5	21	17	..	11·4	6	6	6	..	..	..	..
	2. Measles	17	43	11	38	14	40	15	25	14	25	24·2	20	20	20	..	..	..	..
	3. Scarlet Fever (Scarlatina)	80	46	55	84	148	95	51	59	32	101	75·1	238	160	235	3	..	..	..
	4. Diphtheria	17	11	13	12	12	10	4	9	7	7	10·2	6	5	5	..	..	..	1
	5. Quinsy	..	2	3	..	2	2	..	..	1	..	1·0	..	..	..	..	..	..	..
	6. Croup	7	9	11	18	27	19	17	16	11	13	14·8	9	8	9	..	..	..	..
	7. Whooping-cough	9	41	36	16	32	29	28	23	26	20	26·0	51	49	51	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	44	29	45	63	58	70	50	37	46	62	50·4	8 22 12	.. 6 5	3 12 7	3 6 1	2 3 2	.. 1 1	 1
	9. Erysipelas	6	5	4	5	7	18	7	4	4	11	7·1	7	3	3	..	2	..	2
	10. Puerperal Fever (Metria)	7	..	1	4	4	5	4	4	6	7	4·2	7	..	1	5	1	..	..
	11. Carbuncle	2	1	1	1	2	4	1	..	1	1	1·4	3	..	1	..	..	2	..
	12. Influenza	..	1	..	..	1	..	..	..	..	..	·2	..	..	..	..	..	..	..
	13. Dysentery	7	1	6	3	4	2	4	2	2	1	3·2	2	1	1	..	..	..	1
	14. Diarrhœa	40	50	68	72	46	66	92	67	108	64	67·3	76	69	70	..	1	4	1
	15. Simple Cholera	2	2	4	2	2	3	4	177	15	3	21·4	4	3	3	1	..	..	..
	16. Ague	4	..	3	1	..	..	..	..	..	..	·8	1	..	..	..	..	1	..
	17. Remittent fever	2	..	2	2	4	1	1	..	..	1	1·3	..	..	..	..	..	..	..
	18. Rheumatism	8	4	3	4	3	7	4	5	4	9	5·1	8	..	2	4	2	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	4	5	1	5	4	4	6	12	8	14	6·3	8	8	8	..	..	..	..
	2. Stricture of Urethra	2	2	..	..	2	1	1	1	..	1	1·0	1	..	..	1	..	..	..
	3. Hydrophobia	..	..	..	..	1	..	..	..	..	..	·1	1	..	..	1	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	2	..	..	2	..	..	..	..	2	·7	..	..	..	..	..	..	..
	2. Want of Breast-milk	14	6	3	7	5	6	16	10	9	12	8·8	6	6	6	..	..	..	..
	3. Purpura and Scurvy	1	3	3	2	1	1	1	1	..	2	1·5	..	..	..	..	..	..	..
	4. Alcoholism (*a* Del. Tremens; *b* Intemperance)	3 1	2 2	5 ..	5 ..	3 ..	7 ..	2 2	6 1	.. 4	4 2	3·7 1·2	3 2	.. ..	.. ..	2 ..	1 1	.. 1	..
	ORDER 4.																		
	1. Thrush	4	8	9	7	3	3	2	3	9	8	5·6	3	3	3	..	..	..	..
	2. Worms, &c.	1	..	..	..	..	..	..	..	..	..	·1	1	1	1	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	1	1	..	1	..	4	..	..	2	1·1	2	..	..	..	..	2	..
	2. Dropsy	12	13	10	8	12	12	12	19	11	7	11·6	11	4	5	1	2	3	..
	3. Cancer	25	30	19	22	26	29	26	39	40	34	29·0	26	..	..	4	13	9	..
	4. Cancrum Oris (Noma)	..	1	3	..	1	2	..	..	..	..	·7	..	..	..	..	..	..	..
	5. Mortification	4	1	1	1	4	3	..	4	4	4	2·6	3	..	..	..	..	3	..
	ORDER 2.																		
	1. Scrofula	9	4	14	11	3	10	13	13	7	7	9·1	8	5	7	1	..	..	..
	2. Tabes Mesenterica	8	14	18	13	17	24	35	25	34	31	21·9	30	30	30	..	..	..	..
	3. Phthisis	109	139	127	121	134	151	157	146	138	178	140·0	141	11	22	68	40	11	..
	4. Hydrocephalus	16	32	17	25	19	18	17	22	28	16	21·0	26	24	26	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	4	11	12	13	7	13	18	8	16	11	11·3	11	7	8	2	1	..	..
	2. Apoplexy	24	35	26	24	35	24	36	30	30	28	29·2	29	2	4	3	9	11	2
	3. Paralysis	25	18	22	20	25	26	21	30	15	22	22·4	33	..	1	2	13	15	2
	4. Insanity	3	1	1	1	..	2	..	1	..	4	1·3	1	..	..	..	1	..	..
	5. Chorea	..	..	..	..	..	..	1	..	1	..	·2	1	..	..	..	1	..	..
	6. Epilepsy	7	6	2	8	7	12	8	5	7	3	6·5	5	..	2	2	1	..	..
	7. Convulsions	26	34	24	51	36	48	37	46	38	45	38·5	45	44	45	..	..	..	..
	8. *Brain Disease, &c.*	10	11	12	16	9	9	12	13	15	13	12·0	15	3	4	4	6	1	..
	ORDER 2.																		
	1. Pericarditis	..	1	2	5	3	2	3	2	5	1	2·4	7	..	5	1	..	1	..
	2. Aneurism	1	..	3	3	3	5	2	1	5	2	2·5	2	..	..	1	1	..	..
	3. *Heart Disease, &c.*	47	50	50	39	51	46	63	71	42	55	51·4	55	1	5	14	21	14	1
	ORDER 3.																		
	1. Laryngitis	6	4	4	5	3	3	3	6	3	3	4·0	8	6	6	..	1	1	..
	2. Bronchitis	42	59	68	72	65	76	52	78	67	82	66·1	64	27	29	1	15	17	2
	3. Pleurisy	2	3	1	4	4	4	2	..	1	3	2·4	2	..	1	1	..	..	..
	4. Pneumonia	36	68	59	71	60	57	45	62	41	64	56·3	50	29	35	5	3	6	1
	5. Asthma	6	5	5	9	7	7	1	3	9	6	5·8	3	..	..	..	1	2	..
	6. *Lung Disease, &c.*	3	5	9	11	12	12	11	19	9	6	9·7	14	7	9	2	2	1	..
	ORDER 4.																		
	1. Gastritis	3	3	2	2	1	1	2	6	1	4	2·5	1	1	1	..	..	..	..
	2. Enteritis	7	5	8	10	6	6	8	4	5	5	6·4	7	2	4	2	1	..	..
	3. Peritonitis	3	3	7	2	4	4	3	4	5	4	3·9	3	..	..	3	..	..	..
	4. Ascites	5	3	2	7	2	6	3	2	3	2	3·5	1	..	..	..	..	1	..
	5. Ulceration of Intestines	4	2	5	1	4	2	3	2	2	2	2·7	1	..	..	..	1	..	..
	6. Hernia	2	3	3	2	4	4	4	1	2	2	2·7	1	..	..	..	..	1	..
	7. Ileus	2	5	2	1	2	2	3	2	2	5	2·6	..	..	..	..	..	..	..
	8. Intussusception	..	..	..	..	..	1	1	1	2	..	·5	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

In the THIRTY-NINTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 1 1859	Sept 29 1860	Sept 28 1861	Sept 27 1862	Sept 26 1863	Oct. 1 1864	Sept 30 1865	Sept 29 1866	Sept 28 1867	Sept 26 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 2, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	58°·7	50°·1	53°·8	56°·6	50°·4	54°·5	59°·3	55°·5	53°·0	58°·4	55°·0	Mean Temp. 58°·8						
	9. Stricture of Intestines	..	3	..	..	1	..	1	..	1	1	·7	1	..	..	..	..	1	..
	10. Fistula	..	1	1	..	..	..	..	1	..	..	·3	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	7	5	7	4	7	4	9	9	6	6	6·4	5	2	2	..	2	1	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	..	1	4	2	6	4	2	5	7	1	3·2	5	1	1	1	1	1	1
	14. Jaundice	3	6	2	6	3	4	6	5	4	6	4·5	5	2	2	..	2	..	1
	15. *Liver Disease, &c.*	16	15	16	10	12	17	23	17	15	16	15·7	14	1	2	4	4	4	..
	16. *Spleen Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	2	..	..	1	..	1	..	1	..	..	·5	6	3	4	..	2	..	..
	2. Ischuria	..	..	..	1	..	..	..	2	..	1	·4	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	8	5	10	6	9	18	6	8	11	8	8·9	13	..	3	2	4	4	..
	4. Diabetes	1	2	3	1	1	..	1	2	..	..	1·1	2	..	1	1	..	..	..
	5. Calculus (Stone)	3	1	..	1	..	..	..	..	..	..	·5	1	..	..	1	..	..	..
	6. Cystitis	1	3	1	1	..	2	..	..	1	1	1·0	1	..	..	..	..	..	1
	7. *Kidney Disease, &c.*	10	7	4	6	9	5	9	12	15	12	8·9	6	..	1	1	1	3	..
	ORDER 6.																		
	1. Ovarian Dropsy	..	3	..	..	1	1	..	..	1	5	1·1	2	..	..	1	..	1	..
	2. *Uterus Disease, &c.*	3	..	5	3	5	5	4	5	2	4	3·6	4	..	..	1	2	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	1	..	..	1	..	..	..	..	1	..	·3	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	1	..	6	6	3	3	4	2	4	6	3·5	6	1	4	2	..	..	..
	ORDER 8.																		
	1. Phlegmon	1	..	1	2	2	2	3	..	..	1	1·2	3	2	3	..	..	..	..
	2. Ulcer	2	..	2	1	2	1	2	1	..	1	1·2	1	..	..	..	..	..	1
	3. *Skin Disease, &c.*	2	3	2	2	1	..	2	2	..	..	1·4	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	28	21	22	14	16	22	23	16	16	29	20·7	18	18	18	..	..	..	..
	2. Cyanosis	2	..	1	2	2	2	..	2	2	3	1·6	1	1	1	..	..	..	..
	3. Spina Bifida	1	..	1	..	..	..	2	1	1	3	·9	2	2	2	..	..	..	..
	4. Other Malformations	2	..	2	4	2	2	4	2	4	2	2·4	2	2	2	..	..	..	..
	5. Teething	14	19	8	8	8	16	9	9	9	17	11·7	14	14	14	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	3	3	5	6	7	3	8	6	4	5	5·0	5	..	..	4	1	..	..
	ORDER 3.																		
	1. Old Age	43	26	44	33	47	32	40	46	30	39	38·0	39	..	..	..	..	23	16
	ORDER 4.																		
	1. Atrophy and Debility	43	57	57	46	49	52	76	60	79	93	61·2	71	62	62	..	1	8	..
V.	ORDER 1. (ACCIDENT OR NEGLIGENCE.)																		
	1. Fractures and Contusions	8	5	30	7	21	20	16	16	18	13	15·4	16	..	2	5	6	2	1
	2. Wounds	1	1	..	1	1	..	1	..	..	..	·5	2	..	..	..	1	1	..
	3. Burns and Scalds	9	1	15	3	4	5	2	5	3	3	5·0	7	5	6	1	..	..	..
	4. Poison	3	1	..	..	..	1	2	1	2	..	1·0	1	..	..	1	..	..	..
	5. Drowning	8	4	9	7	6	7	8	4	5	5	6·3	6	..	3	3	..	..	..
	6. Suffocation	3	5	9	2	8	8	6	15	7	9	7·2	10	10	10	..	..	..	..
	7. Otherwise	1	2	4	2	2	2	3	1	1	4	2·2	1	..	..	1	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	1	2	..	4	1	4	5	4	1	1	2·3	7	5	5	2	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	..	1	1	..	..	2	..	..	..	·4	2	..	..	1	1	..	..
	2. Poison	..	..	1	..	..	2	1	3	1	..	·8	..	..	..	..	..	..	..
	3. Drowning	..	..	..	..	..	2	..	..	1	1	·4	1	..	1	..	..	..	..
	4. Hanging	3	1	3	2	3	4	..	3	1	2	2·2	1	..	..	..	1	..	..
	5. Otherwise	..	..	1	..	..	..	1	..	1	..	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	1	..	1	1	1	·4	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	1	3	2	1	7	..	6	2	..	1	2·3	..	..	..	..	..	..	..
	Causes not specified or ill-defined	24	2	2	6	4	7	3	1	27	5	8·1	3	3	3	..	..	..	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 2nd October, 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.	Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 deg. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
September.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . . 26	..	29·792	68·5	54·5	14·0	59·0	49·5	115·5	46·1	..	..	9·5	20·7	3·0	+ 4·4	71	SW & WSW	W. & WSW.	6·6	0·0	0·8	374	0·00	4
Monday . . 27	..	29·84	65·5	46·6	18·9	55·7	50 7	108·1	37·0	56·4	55·4	5·0	13·3	0·0	+ 1·3	83	WSW.	SW. & SSW.	1·0	0·0	0·1	196	0·00	4
Tuesday . 28	Last Quarter	29·60	67·0	50·2	16·8	57·2	50·6	109·8	42·0	56·4	55·4	6·6	15·8	0·0	+ 3·0	79	SSW.	SSW. & S. by E.	2·4	0·0	0·4	274	0·00	4
Wednesday 29	Greatest Dec. N.	29·391	75·1	51·2	23·9	64·0	57·5	117·2	43·7	57·4	56·4	6·5	17·7	0·0	+ 9·9	79	SE. & SSE.	SSE. & E.	3·0	0·0	0·4	224	0·00	3
Thursday. 30	..	29·445	70·5	55·1	15·4	61·3	56·2	100·4	53·6	58·8	56·9	5·1	11·8	0·0	+ 7·3	83	SSE.	E. & S.	3·7	0·0	0·1	170	0·42	5
October.																								
Friday . . 1	..	29·652	67·5	51·8	15·7	58·0	52·9	106·5	45·4	59·4	57·4	5·1	11·5	0·0	+ 4·1	83	SSW.	SSW. & SE.	1·5	0·0	0·2	226	0·11	5
Saturday. 2	..	29·556	62·5	53·5	9·0	56·2	52·8	78·0	47·2	58·9	56·9	3·4	8·3	0·0	+ 2·4	88	SSE. & SE.	SE. & ENE.	1·6	0·0	0·2	206	0·28	5
Means . .	..	29·613	68·1	51·8	16·2	58·8	52·9	105·1	45·9	(6 days) 57·9	(6 days) 56·4	5·9	14·2	0·4	+ 4·6	81	WSW, SSW, & SSE.		..	..	..	Sum 1670	Sum 0·81	4·3
No. of Columns	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date.	Electricity.	Sky and Atmosphere.
September.		
Sunday . 26	The insulating lamp was not turning.	Fine; partially cloudy.
Monday . 27		A few light clouds prevailed during the morning: generally cloudy afterwards. Aurora observed at Bristol at 8h. P.M.
Tuesday . 28		Fine; light clouds prevailed.
Wednesday 29		Light clouds generally prevailed. Lightning was seen frequently at night. A fine day. At Liverpool the rain-fall amounted to 1·11 inch, at Eccles to 0·81 inch, and at Manchester to 0·77 inch.
Thursday . 30	No electricity was shown.	Generally cloudy. Rain fell very heavily in the afternoon and evening.
October.		
Friday . 1	Weak negative was shown about noon.	Partially cloudy. Heavy showers of rain fell in the morning and evening. At Bristol the rain-fall amounted to 0·95 inch.
Saturday . 2	No electricity was shown.	Generally cloudy. Rain fell heavily in the morning and evening.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·70 in. at the beginning of the week to 29·88 in. by 9h. A.M. on the 27th; decreased to 29·37 in. by 9h. P.M. on the 29th of September; increased to 29·70 in. by 9h. P.M. on the 1st of October; and was 29·52 in. at the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

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No. 40. 1869. Vol. XXX.] Week ending Saturday, October 9. [Price 1*d.*

General Register Office, Somerset House,
11*th October* 1869.

In the week that ended on Saturday, 9th October, 4413 births, and 2870 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 23 per 1000 persons living.

The annual rate of mortality last week was 22 per 1000 in London, 25 in Edinburgh, and 21 in Dublin; 18 in Bristol, 21 in Birmingham, 25 in Liverpool, 23 in Manchester, 26 in Salford, 24 in Sheffield, 24 in Bradford, 27 in Leeds, 20 in Hull, 22 in Newcastle-upon-Tyne, and 25 in Glasgow.

The death-rate from scarlet fever had somewhat declined, but was again excessive last week in Liverpool, Newcastle, Leeds, and Sheffield, as well as in London.

The annual rate of mortality in Berlin during the seven days ending 7th instant, was 27 per 1000.

In London the births of 1149 boys and 1099 girls, in all 2248 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2084.

The deaths registered in London during the week were 1367. It was the fortieth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1312. The deaths in the present return exceed by 55 the estimated amount.

The deaths from zymotic diseases were 449, the corrected average number being 382. Four deaths from small-pox, 22 from measles, 216 from scarlet fever, 9 from diphtheria, 51 from whooping-cough, 9 from typhus fever, 14 from enteric fever, 10 from simple continued fever, and 57 from diarrhœa, were registered.

The mortality from scarlet fever in the week is still high, but the disease is less fatal than it was in the preceding week. Sixteen cases were recorded in the West districts, 37 in the North, 36 in the Central, 64 in the East, and 63 in the South districts. The registrar of the sub-district of Kennington, first part, reports, in reference to the death of a child from scarlet fever, on 7th October at 9 Grove-place, Kennington-green: "It is stated that there were 8 cases of scarlet fever (2 of which proved fatal) in this house last year; the drainage then and now being very defective. The house contains 6 rooms, and is inhabited by 22 persons."

A female, aged 35 years, died on 3d October at 95 Backchurch-lane, Whitechapel, from "English cholera." *Post mort.* (*Inquest.*)

The son of a shipwright, aged 9 years, died on 2d October at 50 Trinity-street, Rotherhithe, from "choleraic diarrhœa."

One hundred and fifty-five deaths occurred from phthisis, 74 from bronchitis, and 54 from pneumonia. The corrected average number of deaths from phthisis is 161, from bronchitis 79, and from pneumonia 62.

One hundred and forty-seven persons died from diseases of the brain and nervous system, and 67 from diseases of the organs of circulation.

The deaths of 2 persons from delirium tremens, of 10 infants and 2 adults from syphilis, of 2 children from burns or scalds, of 7 persons from drowning, of 2 infants from suffocation, and of 6 persons who committed suicide were recorded.

The daughter of a baker, aged 3 years, died on 1st October at 44 Paul-street, Shoreditch, from "injury to the brain, caused by fall from a perambulator." (*Inquest.*)

A compositor, aged 28 years, died on 3d October in King's College Hospital, from "fractured skull, caused by falling from a cab." (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·994 in. The barometrical reading increased from 29·52 in. at the beginning of the week, to 30·10 in. on Wednesday, 6th October. The mean tempe-

rature of the air in the week was 56·7°, which is 3·9° above the average of the same week in 50 years (as determined by Mr. Glaisher). On Friday, 8th October, the mean temperature was 9·4°, and on Saturday, 9th October, 9·5° above the average. The highest day temperature was 73·9° on Saturday, 9th October. The lowest night temperature was 44·9° on Wednesday, 6th October. The entire range of temperature in the week was, therefore, 29·0°. The mean of the highest temperatures of the water of the Thames was 58·0°; that of the lowest was 56·0°. The difference between the mean dew-point temperature and air temperature was 4·2°. The mean degree of humidity of the air was 86, complete saturation being represented by 100. Rain fell to the amount of 0·02 in. on Sunday, 3d October. The general direction of the wind was variable. An aurora was observed between 9 P.M. and 11 P.M. on Wednesday, 6th October.

According to a return furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Barking was 161,537 cubic metres, equivalent to about as many tons by weight.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of September 1869: thus, according to their account, 106,740,029 gallons or 484,969 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 103·6 decalitres, rather more than a *ton* by weight, to each house, and 14·6 decalitres (= 32·1 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of September 1869, it may be estimated that about 87,723,562 gallons were probably used for domestic purposes, or about 26·4 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	August 1869.	September 1869.	August 1869.	September 1869.
Total Supply . . .	467,577	468,127	106,414,863	106,740,029
From Thames	213,616	213,991	54,562,627	54,813,130
From Lea and from other Sources . .	253,961	254,136	51,852,236	51,926,899
Thames.				
Chelsea	27,212	27,212	9,318,200	9,052,300
West Middlesex	39,760	39,760	9,039,091	8,531,236
Southwark and Vauxhall . . .	72,517	72,562	14,572,776	14,714,794
Grand Junction	30,698	30,804	9,984,760	10,859,300
Lambeth	43,429	43,653	11,647,800	11,655,500
Lea and other Sources.				
New River	116,702	116,877	24,848,000	24,879,000
East London	98,944	98,944	19,266,000	19,606,000
Kent	38,315	38,315	7,738,236	7,441,899

Note.—The Return for September as compared with that for August shows an increase of 550 houses, and an increase of 325,166 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Fortieth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1757	1816	1818	1687	1935	1896	2058	2031	2057	1893	1894·8	2248
Males . .	917	982	923	832	1037	997	1042	1054	1074	975	983·3	1149
Females .	840	834	895	855	898	899	1016	977	983	918	911·5	1099
Total Deaths	996	1075	1147	1229	1274	1263	1193	1344	1182	1229	1193·2	1367*
Males . .	535	582	603	623	651	637	592	669	627	649	616·8	710
Females .	461	493	544	606	623	626	601	675	555	580	576·4	657

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Hanover-square was not received when the Tables were under preparation, but an average of 5, derived from the returns of six previous weeks, is substituted for the true number, which is 3.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 9th day of October 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 9th Oct.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 9th Oct.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4413**	**3244**	**2870**	**76·6**	**40·0**	**55·8**	**0·29**	**29**	**24·78**	**4·44**	**13·23**	**69**
London (Metropolis)	3,170,754	40·7	2070	2248	1462	1367	73·9	44·9	56·7	0·02	2	23·28	7·17	13·72	5
Bristol (City)	169,423	36·1	109	114	76	59 *	76·6	44·0	56·8	0·28	28	24·78	6·67	13·78	71
Birmingham (Borough)	360,846	46·1	283	222	175	146	75·0	40·0	56·2	0·04	4	23·89	4·44	13·44	10
Liverpool (Borough)	509,052	99·7	345	374	295	244	70·7	47·6	56·0	0·24	24	21·50	8·67	13·33	61
Manchester (City)	370,892	82·7	277	254	210	162 *	75·0	43·0	56·5	0·74	75	23·89	6·11	13·61	188
Salford (Borough)	119,350	23·1	89	73	60	59	75·5	42·4	56·9	0·81	82	24·17	5·78	13·83	206
Sheffield (Borough)	239,752	10·5	196	172	126	109	70·7	42·7	54·9	0·18	18	21·50	5·95	12·72	46
Bradford (Borough)	188,522	21·0	105	117	71	63	65·5	47·5	54·5	0·31	31	18·61	8·61	12·50	79
Leeds (Borough)	253,110	11·7	189	127	129	129	65·0	45·0	55·3	0·38	38	18·33	7·22	12·95	97
Hull (Borough)	126,682	35·6	83	79	59	48	67·0	41·0	53·1	0·28	28	19·44	5·00	11·73	71
Newcastle-on-Tyne (Borough)	130,503	24·5	90	65	69	56	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	118	86	84	62·7	42·0	53·3	0·10	10	17·06	5·56	11·84	25
Glasgow (City)	458,937	90·6	374	318	268	217	67·0	44·6	55·3	0·08	8	19·44	7·01	12·95	20
Dublin (City and some suburbs)	320,762	32·9	219	132	158	127	73·4	46·6	59·4	0·30	30	23·00	8·12	15·22	76
Paris (City)	1,889,842	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Vienna (City)	605,200	..	..	Week ending 2d Oct. 1869. ..	..	Week ending 2d Oct. 1869. ..	Week ending 2d October 1869. ..	..	..	..	..	Week ending 2d October 1869. ..	..	..	..
Berlin (City)	(1867) 702,437	..	..	Week ending 7th Oct. 1869. 306	..	Week ending 7th Oct. 1869. 365	Week ending 7th October 1869. ..	..	53·5	..	..	Week ending 7th October 1869. ..	..	11·95	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol: D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool: T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 9th October, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2248	1367	4	22	216	9	51	33	57
WEST DISTRICTS -	323	198	-	1	16	1	10	9	10
NORTH DISTRICTS -	519	263	-	4	37	1	10	8	12
CENTRAL DISTRICTS -	231	185	-	4	36	2	3	5	10
EAST DISTRICTS -	507	327	1	5	64	1	13	3	10
SOUTH DISTRICTS -	677	394	3	8	63	4	15	8	15
WEST DISTRICTS.									
St. Mary Paddington *WH*	38	22	-	-	-	-	-	1	3
St. John Paddington H	13	11	-	-	-	-	-	1	-
Kensington Town *W* -	73	18	-	-	3	1	-	1	2
Brompton H - -	13	15	-	-	2	-	-	1	1
St. Peter Hammersmith	2	4	-	-	-	-	-	-	-
St. Paul Hammersmith	25	13	-	-	3	-	1	-	-
Fulham *W* - - -	14	8	-	-	-	-	-	-	1
Chelsea South H - -	11	9	-	-	-	-	3	1	1
Chelsea North-west H*Ww*	21	5	-	-	1	-	1	-	-
Chelsea North-east -	9	8	-	-	-	-	2	-	-
Hanover Square - -	5	5	-	-	-	-	-	-	-
May Fair *W* - -	5	5	-	-	-	-	-	-	1
Belgrave H - - -	30	20	-	-	1	-	1	-	-
St. John Westminster -	24	12	-	-	2	-	-	2	-
St. Margaret West. *WH*	18	14	-	1	1	-	1	-	-
St. James's Square -	1	1	-	-	-	-	-	-	-
Golden Square *W* -	9	11	-	-	1	-	-	-	-
Berwick-street - -	6	8	-	-	1	-	-	-	-
St. Anne Soho - -	6	9	-	-	1	-	1	2	1
NORTH DISTRICTS.									
All Souls Marylebone H	20	10	-	1	-	-	-	-	1
Cavendish Square - -	7	4	-	-	1	-	-	-	-
Rectory Marylebone *W*	20	21	-	1	3	-	1	1	-
St. Mary Marylebone -	17	7	-	-	-	-	1	1	1
Christchurch Marylebone	20	7	-	-	-	-	-	-	1
St. John Marylebone -	20	8	-	1	-	-	1	-	2
Hampstead *W* - -	15	8	-	-	-	-	-	1	-
Regent's Park Pancras -	22	10	-	-	-	-	1	-	-
Tottenham-court *w*H -	19	14	-	-	1	-	-	1	-
Gray's Inn Lane H -	24	8	-	-	3	-	-	1	-
Somers Town - -	28	15	-	-	2	-	-	-	2
Camden Town *W* -	18	8	-	-	1	-	1	-	-
Kentish Town - -	50	20	-	-	2	-	1	-	-
Islington West* *WHH*	72	37	-	-	8	1	2	1	3
Islington East *Ww* -	83	38	-	1	7	-	2	-	1
Stoke Newington - -	3	3	-	-	-	-	-	-	-
Stamford Hill - -	2	1	-	-	-	-	-	-	-
West Hackney - -	15	9	-	-	1	-	-	-	-
Hackney *WHw* - -	33	29	-	-	6	-	-	1	1
South Hackney L -	22	6	-	-	2	-	-	1	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	8	8	-	-	-	-	-	-	1
St. Giles South *W* -	15	9	-	-	2	-	-	-	1
St. Giles North - -	20	3	-	-	-	-	-	-	1
Long Acre - - -	9	5	-	1	-	-	-	-	-
Charing Cross *WH* -	4	2	-	-	-	-	-	-	-
St. Mary-le-Strand -	7	3	-	-	-	-	-	-	-
St. Clement Danes H -	3	7	-	-	1	-	-	1	-
‡St. George-the-Martyr H	12	17	-	1	6	-	-	1	2
St. Andrew, East Holb. *W*	9	10	-	-	-	-	-	-	1
Saffron Hill - - -	5	3	-	-	-	-	1	-	-
St. James Clerkenwell *W*	11	10	-	-	-	-	-	1	1
Amwell Clerkenwell -	11	7	-	1	2	1	-	-	-
Pentonville - - -	12	8	-	1	3	-	-	-	-
Goswell-street - -	12	7	-	-	1	-	-	-	1
Old-street - - -	13	4	-	-	2	-	-	-	-
City-road HL - -	18	11	-	-	2	-	1	-	-
Whitecross-street - -	10	10	-	-	3	-	-	-	-
Finsbury - - - -	5	6	-	-	2	-	-	-	-
St. Botolph East London	18	16	-	-	5	-	-	-	1
Cripplegate - - -	14	10	-	-	3	-	1	-	-
West London North *WH*	2	17	-	-	1	1	-	2	1
West London South -	2	4	-	-	1	-	-	-	-
London City South-west	1	-	-	-	-	-	-	-	-
London City North-west	2	4	-	-	2	-	-	-	-
London City South -	2	-	-	-	-	-	-	-	-
London City South-east	4	1	-	-	-	-	-	-	-
London City North-east	2	3	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	10	7	-	-	4	-	-	-	-
St. Leonard Shrdtch. L†	13	8	-	-	3	-	-	-	-
Hoxton New Town *w* -	20	13	-	-	4	-	2	-	-
Hoxton Old Town - -	19	12	-	-	2	-	2	-	-
Haggerstone West *W* -	29	18	-	-	2	-	3	-	-
Haggerstone East - -	16	10	-	-	3	-	-	1	-
Hackney-road - -	22	21	-	-	7	-	-	-	-
Green, Bthnl. Grn. *WHL*†	40	25	-	-	7	-	-	-	-
Church, Bethnal Green -	13	9	-	-	2	-	-	2	-
Town, Bethnal Green -	19	14	-	-	4	-	-	-	-
Artillery Whitechapel -	4	2	-	-	-	-	-	-	-
Spitalfields - - -	11	8	-	-	2	-	1	-	-
Mile End New Town *W*	15	13	-	1	-	-	-	-	-
Whitechapel North -	5	4	-	-	1	-	-	-	-
Whitechapel Church H	8	15	-	-	-	-	-	-	-
Goodman's Fields - -	8	6	-	-	-	-	-	-	-
Aldgate - - - -	6	5	-	-	1	-	-	-	-
St. Mary St. Geo. East -	12	6	-	-	-	-	-	-	-
St. Paul St. Geo. East -	16	8	-	-	1	1	-	-	-
St. John St. Geo. East *W*	6	3	-	-	2	-	-	-	-
Shadwell *W* - - -	11	9	-	1	2	-	-	-	-
Ratcliff *W* - - -	8	6	-	-	-	-	-	-	-
Limehouse *W* - -	29	13	1	-	3	-	3	-	-
Mile End Old Town, West	22	12	-	1	2	-	-	-	-
Mile End Old T., East *Ww*	53	23	-	-	1	-	-	-	-
Bow *ww*L† - - -	55	41	-	1	7	-	2	-	-
Poplar *W* - - - -	37	16	-	1	4	-	-	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	12	-	-	2	-	-	-	-
St. Saviour Southwark H	9	11	-	-	2	-	-	-	-
St. Olave Southwark H	-	15	-	2	-	-	-	-	-
St. John Horsleydown *W*	5	6	-	-	1	-	-	-	-
St. James Bermondsey -	41	24	-	3	8	-	1	-	-
St. Mary Magdalen *W* -	8	12	-	-	1	-	-	1	-
Leather Market - -	15	8	1	-	3	-	-	-	-
Kent-road - -	16	12	-	-	4	-	1	-	-
Borough-road *W* - -	13	12	-	-	1	-	-	-	-
London-road L - -	15	9	-	-	2	-	-	-	-
Trinity Newington -	16	14	1	-	7	-	1	-	-
St. Peter Walworth *W*	48	27	-	1	6	-	-	-	-
St. Mary Newington H	8	8	-	-	-	-	2	-	-
Waterloo-road 1st -	12	8	-	1	1	2	1	-	-
Waterloo-road 2nd -	15	6	-	-	1	-	-	-	-
Lambeth Church 1st -	16	5	-	-	-	-	-	-	-
Lambeth Church 2nd *W*	30	15	-	-	-	-	1	-	-
Kennington 1st - -	20	8	-	-	1	-	-	-	-
Kennington 2nd - -	24	7	-	-	-	-	1	-	-
Brixton - - - -	19	2	1	-	-	-	-	-	-
Norwood *W* - - -	13	3	-	-	-	-	-	-	-
Clapham - - -	18	10	-	-	1	-	1	-	-
Battersea *Ww* - -	49	16	-	-	2	-	1	1	-
Wandsworth L - -	8	6	-	-	2	-	-	-	-
Putney - - - -	6	1	-	-	-	-	-	-	-
Streatham - - -	11	3	-	-	-	-	-	-	-
Dulwich - - -	2	1	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	14	13	-	-	2	-	-	-	-
Peckham - - -	19	17	-	-	-	2	-	-	-
St. George Camberwell -	23	12	-	1	3	-	1	-	-
Rotherhithe *W* - -	16	13	-	-	2	-	-	-	-
St. Paul Deptford - -	45	26	-	-	9	-	-	2	-
St. Nicholas Deptford -	3	4	-	-	-	-	-	-	-
Greenwich West H -	14	7	-	-	-	-	-	-	-
Greenwich East *WH* -	12	7	-	-	-	-	-	-	-
Eltham - - - -	1	-	-	-	-	-	-	-	-
Lee - - - -	7	1	-	-	-	-	-	-	-
Lewisham Village *W* -	6	3	-	-	1	-	-	-	-
Sydenham - - -	16	4	-	-	-	-	1	-	-
Charlton H - - -	8	1	-	-	-	-	-	-	-
Woolwich Dockyard H	15	5	-	-	-	-	-	2	-
Woolwich Arsenal H -	20	11	-	-	-	-	-	2	-
Plumstead, West - -	8	2	-	-	-	-	1	-	-
Plumstead, East - -	4	7	-	-	1	-	2	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - „ „ Tottenham-court sub-district.
West London - - „ „ Islington East.
East London - - „ „ Hackney sub-district.
St. Luke Middlesex - „ „ Hoxton New Town sub-district.
London City - - „ „ Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - „ „ Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.

DEATHS in LONDON, from ALL CAUSES, Registered in the FORTIETH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 8 1859	Oct. 6 1860	Oct. 5 1861	Oct. 4 1862	Oct. 3 1863	Oct. 8 1864	Oct. 7 1865	Oct. 6 1866	Oct. 5 1867	Oct. 3 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 9, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	62°·1	51°·9	59°·3	58°·1	52°·0	49°·7	56°·5	57°·9	48°·2	53°·7	54°·9	Mean Temp. 56°·7						
	ALL CAUSES . . .	996	1075	1147	1229	1274	1263	1193	1344	1182	1229	1193·2	1367†	661	795	186	199	157	25
	SPECIFIED CAUSES .	985	1068	1134	1211	1267	1259	1183	1340	1175	1220	1184·2	1359	659	793	186	198	157	25
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	321	289	349	364	387	332	334	498	274	327	347·5	449	328	403	21	16	8	1
II.	CONSTITUTIONAL „ .	215	197	245	254	250	235	268	234	273	262	243·3	284	74	98	83	70	30	3
III.	LOCAL „ .	301	403	389	418	443	497	392	438	433	447	416·1	464	160	190	69	104	96	5
IV.	DEVELOPMENTAL „ .	101	140	122	129	150	141	137	134	134	149	133·7	131	87	88	6	1	20	16
V.	VIOLENT DEATHS . .	47	39	29	46	37	54	52	36	61	35	43·6	31	10	14	7	7	3	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	297	266	321	343	358	312	308	465	237	300	320·7	425	310	385	19	13	7	1
	2. ENTHETIC „ . .	3	7	6	5	14	5	6	15	18	11	9·0	13	10	10	2	1	..	..
	3. DIETIC „ . .	20	13	17	13	12	14	15	16	10	14	14·4	7	4	4	..	2	1	..
	4. PARASITIC „ . .	1	3	5	3	3	1	5	2	9	2	3·4	4	4	4	..	..	..	..
II.	1. DIATHETIC „ . .	37	33	43	53	42	47	45	41	47	47	43·5	56	3	5	6	22	20	3
	2. TUBERCULAR „ . .	178	164	202	201	208	188	223	193	226	215	199·8	228	71	93	77	48	10	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	100	118	105	115	134	158	114	156	126	147	127·3	147	70	73	16	28	28	2
	2. „ OF ORGANS OF CIRCULATION .	35	44	45	66	55	62	43	59	51	62	52·2	67	1	8	23	18	17	1
	3. „ OF RESPIRATORY ORGANS . .	80	157	143	157	162	184	144	161	156	139	148·3	157	78	84	10	28	34	1
	4. „ OF DIGESTIVE ORGANS . . .	60	53	61	51	62	57	53	34	60	61	55·2	54	8	12	12	19	10	1
	5. „ OF URINARY ORGANS . . .	12	21	22	16	20	17	20	17	27	22	19·4	24	3	7	3	8	6	..
	6. „ OF ORGANS OF GENERATION .	7	5	4	5	4	7	9	5	2	7	5·5	5	..	1	2	1	1	..
	7. „ OF ORGANS OF LOCOMOTION .	2	3	2	4	2	5	7	2	9	6	4·2	8	..	5	1	2	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	5	2	7	4	4	7	2	4	2	3	4·0	2	..	..	2	..	..	..
IV.	1. DEV. DISEASES OF CHILDREN	22	47	36	28	42	41	28	37	19	39	33·9	26	26	26	..	..	..	..
	2. „ OF ADULTS .	4	4	3	6	3	4	3	9	4	3	4·3	8	..	1	6	1	..	..
	3. „ OF OLD PEOPLE	28	37	32	43	44	44	43	39	40	33	38·3	27	..	..	..	..	11	16
	4. DISEASES OF NUTRITION .	47	52	51	52	61	52	63	49	71	74	57·2	70	61	61	..	..	9	..
V.	1 ACCIDENT OR NEGLIGENCE .	43	34	24	37	34	46	46	31	49	33	37·7	25	10	14	5	5	1	..
*	3. HOMICIDE	1	1	..	4	1	3	1	2	2	1	1·6	..	..	..	..	..	..	..
	4. SUICIDE	3	4	5	5	2	5	5	3	9	1	4·2	6	..	..	2	2	2	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	3	3	2	5	4	1	1	1	1	..	2·1	1	..	..	..	1	..	..
	CAUSES NOT SPECIFIED . .	8	4	11	13	3	3	9	3	6	9	6·9	7†	2	2	..	..	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

† An average of 5 is added, without distinction of ages. See note *, page 348.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 8 1859	Oct. 6 1860	Oct. 5 1861	Oct. 4 1862	Oct. 3 1863	Oct. 8 1864	Oct. 7 1865	Oct. 6 1866	Oct. 5 1867	Oct. 3 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 9, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	62°·1	51°·9	59°·3	58°·1	52°·0	49°·7	56°·5	57°·9	48°·2	53°·7	54°·9	56°·7						
I.	ORDER 1.																		
	1. Small-pox	28	6	4	12	22	7	7	31	11	10	13·8	4	3	3	1	..	..	..
	2. Measles	26	52	7	59	13	35	27	29	12	16	27·6	22	22	22	..	..	..	..
	3. Scarlet Fever (Scarlatina)	95	52	99	88	154	80	58	51	30	99	80·6	216	156	213	3	..	..	..
	4. Diphtheria	11	12	21	12	11	20	5	13	7	16	12·8	9	2	9	..	..	..	..
	5. Quinsy	2	..	1	2	..	..	1	..	..	1	·7	..	..	..	..	..	..	..
	6. Croup	6	8	18	13	10	16	21	11	16	12	13·1	13	13	13	..	..	..	..
	7. Whooping-cough	18	40	44	20	24	29	33	23	18	19	26·8	51	51	51	..	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	48	22	53	58	49	55	49	44	42	40	46·0	9 14 10	.. 2 6	4 5 6	3 5 2	1 2 2	1 2 ..	.. .. ..
	9. Erysipelas	5	5	4	8	15	9	8	3	4	7	6·8	6	4	4	..	1	1	..
	10. Puerperal Fever (Metria)	3	3	2	3	3	5	4	1	2	9	3·5	3	..	1	1	1	..	..
	11. Carbuncle	2	1	..	..	..	1	..	3	..	1	·8	1	..	..	..	1	..	..
	12. Influenza	2	1	1	..	1	..	..	..	..	1	·6	..	..	..	..	..	..	..
	13. Dysentery	9	3	1	3	..	1	2	2	2	4	2·7	..	..	..	..	..	..	..
	14. Diarrhœa	34	46	52	52	41	46	83	69	78	51	55·2	57	51	51	..	2	3	1
	15. Simple Cholera	2	1	2	1	2	3	5	182	5	2	20·5	2	..	1	1	..	..	..
	16. Ague	1	1	..	..	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	17. Remittent Fever	1	5	5	2	1	..	..	1	..	..	1·5	..	..	..	..	..	..	..
	18. Rheumatism	4	8	7	10	12	5	4	2	9	12	7·3	8	..	2	3	3	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	1	..	1	..	·2	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	3	5	6	3	13	3	5	14	17	7	7·6	12	10	10	2	..	..	..
	2. Stricture of Urethra	..	2	..	2	1	2	1	1	1	4	1·4	1	..	..	..	1	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	1	..	..	1	1	..	..	..	·3	..	..	..	..	..	..	..
	2. Want of Breast-milk	11	13	10	8	9	4	6	13	7	9	9·0	4	4	4	..	..	..	..
	3. Purpura and Scurvy	2	..	1	2	..	2	2	1	1	1	1·2	1	..	..	..	..	1	..
	4. Alcoholism (*a* Del. Tremens, *b* Intemperance)	3 4	.. ..	3 2	2 1	3 ..	4 3	4 2	2 ..	1 1	4 ..	2·6 1·3	2 ..	.. ..	.. ..	.. ..	2 ..	.. ..	.. ..
	ORDER 4.																		
	1. Thrush	1	3	5	3	3	1	5	2	9	2	3·4	4	4	4	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	3	..	3	..	3	1	3	..	3	1·7	1	..	..	1	..	..	..
	2. Dropsy	14	11	13	17	11	16	13	10	12	14	13·1	11	3	4	1	1	5	..
	3. Cancer	19	17	23	28	29	26	24	27	31	26	25·0	40	..	..	4	20	13	3
	4. Cancrum Oris (Noma)	..	..	1	..	..	..	1	..	..	..	·2	1	..	1	..	..	..	..
	5. Mortification	3	2	6	5	2	2	6	1	4	4	3·5	3	..	..	..	1	2	..
	ORDER 2.																		
	1. Scrofula	4	6	11	14	11	14	4	12	5	9	9·0	13	6	10	2	1	..	..
	2. Tabes Mesenterica	15	11	24	18	13	16	28	10	27	31	19·3	27	24	26	1	..	..	..
	3. Phthisis	134	121	138	136	160	140	164	155	170	148	146·6	155	12	24	74	47	10	..
	4. Hydrocephalus	25	26	29	33	24	18	27	16	24	27	24·9	33	29	33	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	8	12	10	11	10	11	6	12	7	18	10·5	20	11	13	4	3	..	..
	2. Apoplexy	19	22	26	26	39	30	29	45	39	32	30·7	31	1	2	6	8	14	1
	3. Paralysis	17	19	17	22	19	37	14	30	22	27	22·4	19	..	..	..	8	10	1
	4. Insanity	2	1	..	2	2	1	..	1	1	5	1·5	1	..	..	..	1	..	..
	5. Chorea	..	..	1	1	1	..	..	..	..	..	·3	..	..	..	..	..	..	..
	6. Epilepsy	7	3	5	5	4	7	6	9	4	2	5·2	6	..	..	2	4	..	..
	7. Convulsions	30	47	29	33	46	57	50	38	39	45	41·4	53	53	53	..	..	..	..
	8. *Brain Disease, &c.*	17	14	17	15	13	15	9	21	14	18	15·3	17	5	5	4	4	4	..
	ORDER 2.																		
	1. Pericarditis	1	2	1	4	..	3	1	1	4	4	2·1	3	..	2	..	1	..	..
	2. Aneurism	1	2	3	3	3	2	2	1	4	2	2·3	5	..	..	3	1	1	..
	3. *Heart Disease, &c.*	33	40	41	59	52	57	40	57	43	56	47·8	59	1	6	20	16	16	1
	ORDER 3.																		
	1. Laryngitis	3	3	8	4	3	2	5	5	3	3	3·9	10	7	8	1	..	..	1
	2. Bronchitis	39	75	68	74	78	82	68	87	74	74	71·9	74	30	31	2	15	26	..
	3. Pleurisy	2	1	2	2	4	4	1	2	2	..	2·0	1	..	..	..	1	..	..
	4. Pneumonia	34	68	50	62	54	78	58	54	58	46	56·2	54	37	40	5	8	1	..
	5. Asthma	1	5	5	5	5	3	4	5	6	2	4·1	9	..	..	..	3	6	..
	6. *Lung Disease, &c.*	1	5	10	10	18	15	8	8	13	14	10·2	9	4	5	2	1	1	..
	ORDER 4.																		
	1. Gastritis	1	2	..	1	1	2	..	1	..	1	·9	4	2	2	1	1	..	..
	2. Enteritis	4	6	4	5	9	6	4	4	11	5	5·8	4	1	1	1	2	..	..
	3. Peritonitis	6	6	5	2	9	5	1	4	4	7	4·9	4	..	1	1	1	1	..
	4. Ascites	3	3	4	4	4	3	2	2	2	2	2·9	2	..	1	..	..	1	..
	5. Ulceration of Intestines	3	2	7	2	4	3	2	..	5	5	3·3	7	..	1	4	1	1	..
	6. Hernia	6	2	4	2	5	1	4	6	..	4	3·4	4	..	..	1	1	2	..
	7. Ileus	7	3	3	4	1	2	3	1	4	3	3·1	2	..	..	..	2	..	..
	8. Intussusception	..	1	5	..	..	..	1	..	1	..	·8	1	1	1	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

n the Fortieth Week of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 8 1859	Oct. 6 1860	Oct. 5 1861	Oct. 4 1862	Oct. 3 1863	Oct. 8 1864	Oct. 7 1865	Oct. 6 1866	Oct. 5 1867	Oct. 3 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 9, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	62°·1	51°·9	59°·3	58°·1	52°·0	49°·7	56°·5	57°·9	48°·2	53°·7	54°·9	Mean Temp. 56°·7						
	9. Stricture of Intestines	..	1	1	..	2	1	1	..	..	1	·7	1	..	..	1	..	..	..
	10. Fistula	1	..	..	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	6	8	3	4	7	10	11	4	11	5	6·9	3	..	..	..	3	..	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	4	1	4	6	1	2	8	2	2	5	3·5	3	..	1	..	..	1	1
	14. Jaundice	3	4	7	5	2	2	1	1	5	3	3·3	6	4	4	..	..	2	..
	15. *Liver Disease, &c.*	16	14	14	15	16	20	15	9	13	19	15·1	13	..	..	3	8	2	..
	16. *Spleen Disease, &c.*	..	..	..	..	1	..	..	..	2	1	·4	..	..	..	..	..	..	..
	Order 5.																		
	1. Nephritis	1	..	..	1	2	..	2	..	1	3	1·0	5	2	3	..	1	1	..
	2. Ischuria	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..
	3. Bright's disease (Nephria)	2	8	14	7	11	5	9	8	11	10	8·5	12	..	3	2	5	2	..
	4. Diabetes	1	2	1	4	2	..	1	3	2	2	1·8	1	..	..	1	..	..	..
	5. Calculus (Stone)	1	1	..	..	..	..	1	..	2	..	·5	1	1	1	..	..	..	..
	6. Cystitis	..	1	2	..	..	..	..	1	2	1	·7	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	7	9	5	4	5	12	7	5	9	6	6·9	4	..	..	..	2	2	..
	Order 6.																		
	1 Ovarian Dropsy	1	..	2	1	..	2	4	..	..	2	1·2	1	..	..	1	..	..	..
	2. *Uterus Disease, &c.*	6	5	2	4	4	5	5	5	2	5	4·3	4	..	1	1	1	1	..
	Order 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	2	3	2	4	1	5	7	2	9	6	4·1	8	..	5	1	2	..	..
	Order 8.																		
	1. Phlegmon	1	..	3	4	1	4	2	2	1	3	2·1	2	..	..	2	..	..	..
	2. Ulcer	3	2	1	..	2	1	..	2	..	..	1·1	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	1	..	3	..	1	2	..	..	1	..	·8	..	..	..	..	..	..	..
IV.	Order 1.																		
	1. Premature Birth	12	29	16	15	24	20	21	19	14	24	19·4	13	13	13	..	..	..	..
	2. Cyanosis	1	1	..	1	1	2	..	1	3	..	1·0	..	..	..	..	..	..	..
	3. Spina Bifida	..	1	..	..	2	1	1	1	..	..	·6	1	1	1	..	..	..	..
	4. Other Malformations	..	1	..	..	2	5	1	..	..	..	·9	..	..	..	..	..	..	..
	5. Teething	9	15	20	12	13	13	5	16	2	15	12·0	12	12	12	..	..	..	..
	Order 2.																		
	1. Paramenia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	4	4	3	6	3	4	3	9	4	3	4·3	8	..	1	6	1	..	..
	Order 3.																		
	1. Old Age	28	37	32	43	44	44	43	39	40	33	38·3	27	..	..	..	..	11	16
	Order 4.																		
	1. Atrophy and Debility	47	52	51	52	61	52	63	49	71	74	57·2	70	61	61	..	..	9	..
V.	Order 1. (Accident or Negligence.)																		
	1. Fractures and Contusions	19	15	10	11	14	23	32	20	18	17	17·9	10	3	6	3	..	1	..
	2. Wounds	1	..	..	..	..	1	..	2	1	3	·8	..	..	..	..	..	..	..
	3. Burns and Scalds	4	3	4	4	5	6	2	2	4	5	3·9	2	2	2	..	..	..	..
	4. Poison	1	1	1	1	..	1	..	..	..	1	·6	..	..	..	..	..	..	..
	5. Drowning	10	8	5	13	5	6	6	4	10	2	6·9	7	..	1	2	4	..	..
	6. Suffocation	8	6	4	5	9	6	3	2	11	4	5·8	2	2	2	..	..	..	..
	7. Otherwise	..	1	..	3	1	3	3	1	5	1	1·8	4	3	3	..	1	..	..
	Order 3. (Homicide.)																		
	1. Murder and Manslaughter	1	1	..	4	1	3	1	2	2	1	1·6	..	..	..	..	..	..	..
	Order 4. (Suicide.)																		
	1. Wounds { Gunshot	1	..	1	..	..	..	..	..	1	..	·3	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	..	1	..	..	1	1	1	4	..	·9	1	..	..	..	..	1	..
	2. Poison	..	1	1	2	..	3	1	2	2	..	1·2	..	..	..	..	..	..	..
	3. Drowning	..	1	2	..	1	1	1	..	..	..	·6	1	..	..	..	..	1	..
	4. Hanging	1	2	..	3	1	..	2	..	1	1	1·1	3	..	..	2	1	..	..
	5. Otherwise	..	..	..	..	..	..	..	..	1	..	·1	1	..	..	..	1	..	..
	Order 5. (Execution.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	3	3	2	5	4	1	1	1	1	..	2·1	1	..	..	..	1	..	..
	Causes not specified or ill-defined	8	4	11	13	3	3	9	3	6	9	6·9	7	2	2	..	..	..	..

‡ hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when he result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 5 is added, without distinction of ages. See note *, page 348.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 9th October, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shownby a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
October.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday	3	..	29·754	66·9	50·2	16·7	56·0	53·9	96·4	48·2	58·4	57·4	2·1	10·1	0·0	+ 2·3	93	NNW. & N.W.	N.	0·6	0·0	0·0	141	0·02	0
Monday	4	..	30·023	62·0	49·4	12·6	54·7	53·7	78·5	40·6	58·4	56·4	1·0	7·8	0·0	+ 1·2	96	WSW & SW	SSE. & SW.	0·0	0·0	0·0	77	0·00	0
Tuesday	5	Perigee In Equator New	30·030	60·9	45·9	15·0	52·5	51·7	94·1	38·5	58·8	56·8	0·8	4·9	0·0	— 0·8	97	Variable	N. E. & SE.	0·0	0·0	0·0	81	0·00	0
Wednesday	6	..	30·079	64·4	44·9	19·5	54·5	47·7	115·5	38·0	57·4	54·4	6·8	14·8	0·0	+ 1·6	78	SE.	SE. & E.	1·3	0·0	0·1	139	0·00	3
Thursday	7	..	30·044	67·4	45·7	21·7	56·3	47·4	113·5	35·1	57·4	55·4	8·9	19·4	0·0	+ 3·8	72	ESE. & SE.	SE.	0·5	0·0	0·0	135	0·00	5
Friday	8	..	29·976	73·1	52·8	20·3	61·5	56·4	118·2	45·2	57·4	55·4	5·1	12·6	0·6	+ 9·4	84	SE. & WSW.	WSW & SW	0·3	0·0	0·0	139	0·00	0
Saturday	9	..	30·054	73·9	51·0	22·9	61·3	56·9	111·4	45·4	58·1	56·1	4·4	11·4	0·0	+ 9·5	85	Calm.	SSE. & SE.	0·1	0·0	0·0	84	0·00	3
Means		..	29·994	66·9	48·6	18·4	56·7	52·5	103·9	41·6	58·0	56·0	4·2	11·6	0·1	+ 3·9	86	Variable.		..	..	..	Sum 796	Sum 0·02	1·6
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. October.		Electricity.	Sky and Atmosphere.
Sunday	3	Weak positive was shown in the afternoon.	Cloudy and foggy throughout the morning; generally fine, and partially cloudy in the afternoon; cloudless at night. Rain fell between 1h. A.M. and 2h. A.M., and also about 5h. P.M.
Monday	4	No electricity was shown.	Generally overcast. Very gloomy between 11h. A.M. and noon.
Tuesday	5		Very foggy during the morning; fine afterwards and partially cloudy till evening; then cloudless, and fog again prevailed.
Wednesday	6		A dense fog prevailed throughout the morning; fine afterwards, and a few light clouds were prevalent till evening; then cloudless. An aurora was observed between 9h. P.M. and 11h. P.M.
Thursday	7	Very weak positive was shown in the afternoon.	Light clouds prevailed till evening; then overcast. A fine day.
Friday	8	No electricity was shown.	A fine day; partially cloudy.
Saturday	9	Weak negative was observed at night.	Cloudless. Dense fog prevailed during the morning; very fine throughout the remainder of the day.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·52 in. at the beginning of the week to to 30·10 in. by noon on the 6th; decreased to 29·97 in. by 9h. A.M. on the 8th; remained nearly stationary till after 3h. P.M. on the same day; then increased to 30·07 in. by 9h. A.M. on the 9th; decreased to 30·04 in. by 3h. P.M. on the same day; and was 30·06 in. at the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 41. 1869, Vol. XXX.] WEEK ENDING SATURDAY, OCTOBER 16. [Price 1*d.*

General Register Office, Somerset House, 18th October 1869.

IN THE WEEK that ended on Saturday, 16th October, 4221 BIRTHS, and 2870 DEATHS, were registered in LONDON and in THIRTEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 23 per 1000 persons living.

The annual rate of mortality last week was 21 per 1000 in London, 21 in Edinburgh, and 22 in Dublin; 24 in Bristol, 24 in Birmingham, 26 in Liverpool, 27 in Manchester, 31 in Salford, 22 in Sheffield, 27 in Bradford, 23 in Leeds, 23 in Hull, 24 in Newcastle-upon-Tyne, and 24 in Glasgow.

The fatality from scarlet fever continues excessive in most of the above English Towns. The deaths referred to this disease last week showed an annual death-rate of 4·1 per 1000 in Liverpool, 3·7 in both Hull and London, 2·8 in Newcastle, 2·2 in Sheffield, 2·1 in Leeds, and 1·8 per 1000 in Bristol.

In Paris the annual rate of mortality in the week ending last Saturday (16th October) was 21 per 1000. The rate in Berlin during the seven days ending 14th instant, was 24 per 1000, and in Vienna 21 per 1000 during the week ending 9th instant.

In LONDON the BIRTHS of 1009 boys and 1044 girls, in all 2053 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2102.

The DEATHS registered in LONDON during the week were 1305. It was the forty-first week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1324. The deaths in the present return are less by 19 than the estimated amount.

The deaths from zymotic diseases were 471, the corrected average number being 370. Eight deaths from small-pox, 27 from measles, 224 from scarlet fever, 14 from diphtheria, 60 from whooping-cough, 7 from typhus fever, 16 from enteric fever, 13 from simple continued fever, and 51 from diarrhœa were registered.

The deaths from scarlet fever exhibit a slight increase when compared with the number recorded in the preceding week. Ten cases occurred in the West districts, 41 in the North, 26 in the Central, 76 in the East, and 71 in the South districts.

Small-pox, measles, diphtheria, and whooping-cough were more fatal than in the previous week.

A needlewoman, aged 26 years, died on 8th October, at 42 Marylebone-lane, from "phthisis, choleraic diarrhœa."

The son of a gardener, aged one year, died on 11th October at Heath-view, Putney, from "choleraic diarrhœa (one week)."

One hundred and forty-one deaths occurred from phthisis, 72 from bronchitis, and 56 from pneumonia. The corrected average number of deaths from phthisis is 153, from bronchitis 85, and from pneumonia 70.

Diseases of the brain and nervous system proved fatal to 113 persons, and 61 persons died from diseases of the organs of circulation.

Two daughters and a son of a confectioner, aged 7, 5, and 3 years respectively; the widow of a carpenter, aged 51 years; the son of a carpenter, aged 13 years; a schoolmaster, aged 28 years; and a domestic servant, aged 17 years, were found dead on 1st October at 69 Moscow-road, Kensington, from "suffocation by the fumes of a burning house." (*Inquest.*)

The deaths of 8 infants and one adult from syphilis, of 7 children from burns or scalds, of 6 persons from drowning, and of 8 persons who committed suicide were recorded.

The following deaths of 5 persons who were killed by horses or vehicles in the streets were registered:—

A boy, aged 6 years, "run over." Died on 7th October at Draycott-terrace, Chelsea. (*Inquest.*)

A horsekeeper, aged 42 years, "fractured skull; fell from an omnibus" on 7th October. Found to be dead on his arrival at St. Bartholomew's Hospital. (*Inquest.*)

A widow, aged 71 years, "run over by a cart." Died on 9th October in the London Hospital. (*Inquest.*)

A greengrocer, aged 45 years, "fell from a van." Died on 3d October at 53 Rouel-road, Bermondsey. (*Inquest.*)

A clerk, aged 55 years, "injury to the brain by falling from an omnibus." Died on 8th October in St. Thomas's Hospital. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·823 in. The barometrical reading decreased from 30·07 in. on Sunday, 10th October, to 29·11 in. on Saturday, 16th October. The mean temperature of the air in the week was 54·5°, which is 3·6° above the average of the same week in 50 years (as determined by Mr. Glaisher). On Sunday, 10th October, the mean temperature was 8·3°, on Monday, 11th October, 8·5°, and on Tuesday, 12th October, 6·6° above the average. The highest day temperature was 73·1° on Sunday, 10th October. The lowest night temperature was 39·6° on Thursday, 14th October. The entire range of temperature in the week was, therefore, 33·5°. The mean of the highest temperatures of the water of the Thames was 57·9°; that of the lowest was 57·0°. The difference between the mean dew-point temperature and air temperature was 4·4°. The mean degree of humidity of the air was 85, complete saturation being represented by 100. Rain fell to the amount of 0·25 in. The general direction of the wind was W.S.W., S.W., and S.S.E.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 202,097 cubic metres, and at Barking 136,355 cubic metres, equivalent to about as many tons by weight.

The daily average quantity of sewage pumped into the Thames at Crossness during the week ending Saturday, 9th October, was 197,511 cubic metres.

LONDON.—Births and Deaths Registered last Week, and in the Forty-first Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1627	1689	1683	1757	1873	2072	1987	2073	2028	2325	1911·4	2053
Males . .	822	876	865	901	962	1020	1007	1052	1023	1198	972·6	1009
Females . .	805	813	818	856	911	1052	980	1021	1005	1127	938·8	1044
Total Deaths	902	1008	1113	1121	1258	1355	1261	1353	1233	1438	1204·2	1305
Males . .	455	509	576	595	624	708	658	661	639	701	612·6	676
Females . .	447	499	537	526	634	647	603	692	594	737	591·6	629

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	July 24.	July 31.	Aug. 7.	Aug. 14.	Aug. 21.	Aug. 28.	Sept. 4.	Sept. 11.	Sept. 18.	Sept. 25.	Oct. 2.	Oct. 9.	Oct. 16.
Deaths - - - -	1600	1646	1630	1591	1527	1463	1391	1601	1409	1362	1395	1367	1305
Deaths under 5 years of age -	897	967	972	920	810	767	740	854	716	682	690	661	682
Deaths under 20 years of age	1010	1080	1100	1039	916	892	886	986	861	824	848	797	801
Deaths 20—40 - - -	161	181	159	166	184	153	162	183	159	148	175	189	163
Deaths 40–60 - - -	184	204	163	187	201	177	153	198	197	198	178	199	177
Deaths at 60 years of age and upwards - - -	245	181	208	199	226	241	190	234	192	192	194	182	164
Deaths from Smallpox - -	5	4	2	5	5	5	5	5	6	8	6	4	8
„ „ Measles - -	23	33	25	31	21	20	19	38	21	22	20	22	27
„ „ Scarlet Fever -	75	88	100	114	132	143	170	179	178	191	238	216	224
„ „ Diphtheria -	4	3	8	6	5	6	7	8	13	9	6	9	14
„ „ Whooping-cough	67	67	65	68	60	87	75	70	64	49	51	51	60
„ „ Typhus fever -	8	18	6	10	13	10	9	12	6	9	8	9	7
„ „ Enteric fever -	21	16	22	12	17	18	25	22	21	23	22	14	16
„ „ Simple Cont^{d} fever	14	10	10	3	5	13	12	18	12	13	12	10	13
„ „ Diarrhœa - -	253	384	394	346	264	195	161	185	139	115	76	57	51
„ „ Phthisis - -	166	176	156	162	172	130	143	168	133	140	141	155	141
„ „ Bronchitis - -	64	48	65	50	54	53	50	79	63	62	64	74	72
„ „ Pneumonia -	76	46	40	48	55	36	53	54	45	54	50	54	56
„ „ Heart Disease -	55	49	40	59	49	53	43	48	46	55	55	59	55
Mean Temperature of the Air	66°·0	64°·0	59°·8	58°·5	58°·7	68°·4	56°·1	63°·5	58°·1	56°·8	58°·8	56°·7	54°·5
Mean Temperature of the Water of the Thames -	67·4	66·5	64·0	61·8	60·5	63·1	62·4	60·4	58·1	55·9	57·1	57·0	57·4
Humidity of the Air - -	76	77	77	77	74	69	66	75	82	78	81	86	85
Rain-fall in inches - -	0·00	0·41	0·47	0·73	0·01	0·00	0·00	0·69	1·85	0·12	0·81	0·02	0·25

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 16th day of October 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 16th Oct.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 16th Oct.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4221**	**3244**	**2870**	**75·0**	**32·6**	**54·3**	**0·55**	**56**	**23·89**	**0·34**	**12·39**	**140**
London (Metropolis . .	3,170,754	40·7	2070	2053	1462	1305	73·1	39·6	54·5	0·25	25	22·84	4·23	12·50	63
Bristol . . (City) .	169,423	36·1	109	106	76	77 *	74·9	42·5	56·8	0·48	48	23·83	5·84	13·78	122
Birmingham . (Borough) .	360,846	46·1	283	253	175	165	73·5	42·9	55·5	0·30	30	23·06	6·06	13·06	76
Liverpool . . (Borough) .	509,052	99·7	345	320	295	255	70·1	37·9	53·4	0·68	69	21·17	3·28	11·89	173
Manchester . (City) .	370,892	82·7	277	249	210	191 *	74·0	43·0	55·2	1·23	124	23·33	6·11	12·89	312
Salford . . (Borough) .	119,350	23·1	89	82	60	72	74·5	42·8	54·8	1·09	110	23·61	6·01	12·67	277
Sheffield . . (Borough) .	239,752	10·5	196	172	126	100	75·0	41·7	54·8	0·52	53	23·89	5·39	12·67	132
Bradford . . (Borough) .	138,522	21·0	105	62	71	73	69·9	42·5	55·4	0·26	26	21·06	5·84	13·00	66
Leeds . . . (Borough) .	253,110	11·7	189	135	129	111	73·0	42·0	56·1	0·24	24	22·78	5·56	13·39	61
Hull . . . (Borough) .	126,682	35·6	83	69	59	55	69·0	34·0	51·4	0·49	49	20·56	1·11	10·78	125
Newcastle-on-Tyne (Borough)	130,503	24·5	90	64	69	59	..	..	..	..	..	..	..	..	..
Edinburgh . (City) .	178,002	40·2	112	120	86	58	64·7	37·0	51·5	0·50	51	18·17	2·78	10·84	127
Glasgow . . (City) .	458,937	90·6	374	374	268	211	68·3	36·6	51·3	0·80	81	20·17	2·56	10·73	203
Dublin (City and some suburbs)	320,762	32·9	219	162	158	138	74·1	32·6	54·0	0·34	34	23·36	0·34	12·22	86
Paris . . . (City) .	1,889,842	..	..	..	..	752	..	..	..	..	..	..	..	..	..
				Week ending 9th Oct. 1869.		Week ending 9th Oct. 1869.	Week ending 9th October 1869.					Week ending 9th October 1869.			
Vienna . . (City) .	605,200	..	..	..	..	249	..	..	53·8	..	..	..	..	12·11	..
	(1867)			Week ending 14th Oct. 1869.		Week ending 14th Oct. 1869.	Week ending 14th October 1869.					Week ending 14th October 1869.			
Berlin . . (City) .	702,437	..	..	490 †	..	395	..	..	51·8	..	..	..	..	11·00	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

† *Erratum.*—The births registered in Berlin in the week ending 7th October were 606, and not 306 as published last week.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 16th October, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2053	1305	8	27	224	14	60	36	51
WEST DISTRICTS -	284	164	-	2	10	2	4	5	6
NORTH DISTRICTS -	481	270	-	4	41	1	12	11	12
CENTRAL DISTRICTS	213	147	-	5	26	2	7	3	10
EAST DISTRICTS -	460	344	4	10	76	5	24	9	9
SOUTH DISTRICTS -	615	380	4	6	71	4	13	8	14
WEST DISTRICTS.									
St. Mary Paddington *WH*	35	13	-	-	4	-	-	1	1
St. John Paddington H	17	18	-	-	-	1	-	-	-
Kensington Town *W* -	47	16	-	1	-	-	1	2	
Brompton H - -	1	9	-	-	-	-	1	1	-
St. Peter Hammersmith	8	-	-	-	-	-	-	-	-
St. Paul Hammersmith	14	9	-	-	1	-	-	-	-
Fulham *W* - - -	17	7	-	-	1	-	-	1	-
Chelsea South H - -	11	5	-	-	-	1	-	-	-
ChelseaNorth-west H*Ww*	24	13	-	-	-	-	2	-	-
Chelsea North-east -	15	8	-	-	-	-	-	-	-
Hanover Square - -	7	4	-	-	-	-	-	-	-
May Fair *W* - -	3	5	-	-	-	-	-	-	-
Belgrave H - - -	24	19	-	-	1	-	-	1	1
St. John Westminster -	31	11	-	-	1	-	-	-	1
St. Margaret West. *WH*	10	11	-	1	-	-	-	-	1
St. James's Square -	1	2	-	-	-	-	-	-	-
Golden Square *W* -	4	3	-	-	1	-	-	-	-
Berwick-street - -	5	5	-	-	1	-	1	-	-
St. Anne Soho - -	10	6	-	-	-	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	16	13	-	-	3	-	1	-	1
Cavendish Square - -	3	2	-	-	-	-	-	-	-
Rectory Marylebone *W*	15	12	-	-	1	-	-	1	1
St. Mary Marylebone -	19	3	-	-	-	1	-	-	-
Christchurch Marylebone	23	12	-	-	2	-	-	1	-
St. John Marylebone -	23	8	-	-	-	-	-	-	1
Hampstead *W* - -	15	6	-	-	1	-	-	-	-
Regent's Park Pancras -	24	5	-	-	1	-	-	-	-
Tottenham-court *w*H -	17	11	-	-	3	-	-	1	-
Gray's Inn Lane H -	22	9	-	1	1	-	-	2	-
Somers Town - -	26	14	-	-	2	-	1	-	-
Camden Town *W* -	14	20	-	-	-	-	2	-	2
Kentish Town - -	40	25	-	1	1	-	2	1	1
Islington West* *WHH*	76	31	-	2	7	-	1	2	2
Islington East *Ww* -	80	46	-	-	6	-	3	3	2
Stoke Newington - -	5	1	-	-	-	-	-	-	-
Stamford Hill - -	3	3	-	-	-	-	-	-	-
West Hackney - -	16	12	-	-	2	-	1	-	1
Hackney *WHw* - -	21	24	-	-	8	-	1	-	1
South Hackney L -	23	13	-	-	3	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	5	3	-	-	-	-	-	-	-
St. Giles South *W* -	19	11	-	-	-	-	-	1	2
St. Giles North - -	12	6	-	1	-	-	-	-	-
Long Acre - - -	13	1	-	-	-	-	-	-	-
Charing Cross *WH* -	5	7	-	-	-	-	-	-	1
St. Mary-le Strand -	2	4	-	-	1	-	-	-	-
St. Clement Danes H -	4	5	-	-	-	-	2	-	-
‡St.George-the-MartyrH	7	12	-	-	3	-	-	1	-
St. Andrew, East Holb. *W*	7	2	-	-	-	-	-	-	-
Saffron Hill - - -	4	2	-	-	-	-	1	-	-
St. James Clerkenwell *W*	15	16	-	-	1	-	2	-	4
Amwell Clerkenwell -	10	4	-	-	2	-	-	-	-
Pentonville - - -	8	3	-	-	-	-	-	-	-
Goswell-street - -	13	5	-	-	-	-	1	-	1
Old street - - -	10	7	-	-	2	-	-	-	-
City-road HL - -	23	6	-	1	2	-	-	-	-
Whitecross street - -	8	7	-	-	2	2	-	-	-
Finsbury - - -	5	4	-	-	2	-	-	-	1
St. Botolph East London	9	7	-	2	3	-	-	-	-
Cripplegate - - -	12	12	-	-	2	-	-	1	1
West London North *WH*	2	11	-	-	4	-	-	-	-
West London South -	10	2	-	-	1	-	-	-	-
London City South-west	-	2	-	-	-	-	1	-	-
London City North-west	-	2	-	1	-	-	-	-	-
London City South -	4	3	-	-	1	-	-	-	-
London City South-east	3	1	-	-	-	-	-	-	-
London City North-east	3	2	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	5	3	-	-	2	-	-	-	-
St. Leonard Shrdtch. L†	12	8	-	-	2	-	1	-	-
Hoxton New Town *w* -	27	25	-	-	2	-	1	2	
Hoxton Old Town - -	19	9	-	-	1	-	1	-	-
Haggerstone West *W* -	27	20	-	-	6	-	2	-	-
Haggerstone East - -	20	11	-	-	6	-	1	-	-
Hackney-road - -	11	11	-	2	2	1	1	-	
Green, Bthnl.Grn. *W*HL†	41	28	-	-	9	1	-	-	
Church, Bethnal Green	19	12	-	1	4	-	1	1	
Town, Bethnal Green -	18	16	-	2	5	-	-	1	
Artillery Whitechapel -	3	-	-	-	-	-	-	-	-
Spitalfields - - -	17	7	-	-	1	-	1	1	
Mile End New Town *W*	15	14	-	-	-	-	2	-	
Whitechapel North -	8	4	-	-	-	-	1	1	
Whitechapel Church H	5	12	-	1	1	-	-	-	
Goodman's Fields - -	4	5	-	-	-	-	-	-	
Aldgate - - - -	8	5	-	-	1	-	2	-	
St. Mary St. Geo. East -	12	14	-	-	4	-	-	1	
St. Paul St. Geo. East -	10	7	-	-	2	-	1	1	
St. John St. Geo. East *W*	3	8	-	-	2	-	-	-	
Shadwell *W* - - -	6	6	-	-	1	-	1	-	
Ratcliff *W* - - -	11	14	-	1	2	1	1	-	
Limehouse *W* - -	26	12	3	1	2	1	-	-	
Mile End Old Town, West	20	12	-	-	2	-	2	-	
Mile End Old T., East *Ww*	40	18	1	1	1	-	-	1	
Bow *ww*L† - - -	40	35	-	-	7	1	2	-	
Poplar *W* - - -	33	28	-	1	11	-	3	-	
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	7	4	-	-	-	-	-	-	
St. Saviour Southwark H	9	13	-	-	8	1	-	-	
St. Olave Southwark H	3	7	-	-	2	-	-	-	
St. John Horsleydown *W*	3	4	-	-	2	-	-	-	
St. James Bermondsey -	38	17	-	1	8	-	-	-	
St. Mary Magdalen *W*	12	13	-	-	5	1	-	1	
Leather Market - -	5	8	1	-	1	-	-	-	
Kent-road - - -	16	13	-	-	1	-	1	-	
Borough-road *W* - -	10	14	-	-	2	-	-	-	
London-road L - -	15	3	-	-	2	-	-	-	
Trinity Newington -	17	9	-	-	3	-	-	-	
St. Peter Walworth *W*	29	14	-	1	2	1	-	2	
St. Mary Newington H -	11	12	-	1	1	1	-	-	
Waterloo-road 1st - -	9	6	-	-	1	-	-	-	
Waterloo-road 2nd -	19	6	-	-	1	-	-	-	
Lambeth Church 1st -	13	4	-	-	-	-	2	-	
Lambeth Church 2nd *W*	33	15	-	-	2	-	1	-	
Kennington 1st - -	26	13	-	-	1	-	-	-	
Kennington 2nd - -	16	7	-	-	-	-	1	-	
Brixton - - - -	11	13	-	-	-	-	-	-	
Norwood *W* - - -	7	3	-	-	1	-	1	-	
Clapham - - -	10	12	2	-	1	-	-	1	
Battersea *Ww* - -	34	25	-	-	3	-	3	2	
Wandsworth L - -	12	7	-	-	3	-	-	-	
Putney - - - -	5	4	-	-	-	-	-	-	
Streatham - - -	4	4	-	-	-	-	-	-	
Dulwich - - -	1	1	-	-	-	-	-	-	
Camberwell *WL*†L† -	26	13	-	-	2	-	-	-	
Peckham - - -	20	6	-	-	1	-	-	-	
St. George Camberwell -	22	11	1	-	2	-	1	-	
Rotherhithe *W* - -	15	14	-	-	4	-	-	-	
St. Paul Deptford - -	38	25	-	-	9	-	-	1	
St. Nicholas Deptford -	4	2	-	-	1	-	-	-	
Greenwich West H -	13	6	-	-	1	-	-	-	
Greenwich East *WH* -	15	7	-	-	-	-	-	-	
Eltham - - - -	2	-	-	-	-	-	-	-	
Lee - - - - -	11	2	-	-	-	-	-	-	
Lewisham Village *W* -	8	8	-	1	-	-	2	-	
Sydenham - - -	11	8	-	-	1	-	-	-	
Charlton H - - -	5	3	-	-	-	-	-	-	
Woolwich Dockyard H	4	5	-	-	-	-	-	1	
Woolwich Arsenal H -	17	6	-	-	-	-	-	-	
Plumstead, West - -	11	6	-	-	-	-	1	-	
Plumstead, East - -	18	7	-	2	-	-	-	-	

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.

DEATHS in LONDON, from ALL CAUSES, Registered in the FORTY-FIRST WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 15 1859	Oct. 13 1860	Oct. 12 1861	Oct. 11 1862	Oct. 10 1863	Oct. 15 1864	Oct. 14 1865	Oct. 13 1866	Oct. 12 1867	Oct. 10 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 16, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	55°·3	45°·8	58°·3	56°·3	53°·3	50°·3	55°·3	52°·4	43°·7	51°·8	52°·3	Mean Temp 54°·5						
	ALL CAUSES . . .	902	1008	1113	1121	1258	1355	1261	1353	1233	1438	1204·2	1305	681	801	163	177	141	23
	SPECIFIED CAUSES .	900	990	1099	1114	1256	1342	1253	1349	1225	1433	1196·1	1298	679	799	161	176	139	23
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	282	256	287	369	373	380	334	459	269	359	336·8	471	352	423	24	13	9	2
II.	CONSTITUTIONAL „ .	198	196	227	215	237	246	275	263	269	289	241·5	240	62	76	80	67	16	1
III.	LOCAL „ .	282	399	413	380	473	520	440	440	499	537	438·3	399	164	189	43	79	81	7
IV.	DEVELOPMENTAL „ .	111	108	138	121	130	155	153	152	154	194	141·6	125	79	81	2	1	28	13
V.	VIOLENT DEATHS . .	27	31	34	29	43	41	51	35	31	54	37·9	63	22	30	12	16	5	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	263	241	266	348	350	353	288	432	241	324	310·6	448	331	402	23	12	9	2
	2. ENTHETIC „ . .	10	6	6	8	5	12	11	8	13	14	9·3	9	8	8	1	..	..	..
	3. DIETIC „ . .	8	8	11	9	18	14	26	16	10	16	13·6	11	10	10	..	1	..	..
	4. PARASITIC „ . .	1	1	4	4	..	1	9	3	5	5	3·3	3	3	3	..	..	..	..
II.	1. DIATHETIC „ . .	38	32	39	46	49	46	47	54	44	54	44·9	42	1	3	7	22	9	1
	2. TUBERCULAR „ . .	160	164	188	169	188	200	228	209	225	235	196·6	198	61	73	73	45	7	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	86	92	129	117	137	136	132	114	150	162	125·5	113	49	57	7	20	25	4
	2. „ OF ORGANS OF CIRCULATION .	43	59	38	38	67	67	61	52	53	92	57·0	61	2	9	14	20	18	..
	3. „ OF RESPIRATORY ORGANS . .	88	170	169	135	170	219	139	185	180	187	164·2	148	93	98	10	13	26	1
	4. „ OF DIGESTIVE ORGANS . .	44	49	50	56	55	69	71	50	66	63	57·3	49	12	13	10	15	9	2
	5. „ OF URINARY ORGANS . . .	14	17	11	20	26	17	26	25	38	20	21·4	16	3	5	2	7	2	..
	6. „ OF ORGANS OF GENERATION .	4	4	9	3	4	4	5	1	5	3	4·2	2	..	..	..	2	..	..
	7. „ OF ORGANS OF LOCOMOTION .	1	4	4	3	6	3	2	3	4	5	3·5	3	1	2	..	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	2	4	3	8	8	5	4	10	3	5	5·2	7	4	5	..	1	1	..
IV.	1. DEV. DISEASES OF CHILDREN	37	26	34	29	32	44	42	32	28	38	34·2	30	30	30	..	..	..	..
	2. „ OF ADULTS . .	6	6	5	3	7	9	2	8	6	11	6·3	2	..	1	1	..	..	..
	3. „ OF OLD PEOPLE	24	32	36	34	41	48	38	45	39	48	38·5	35	..	..	..	..	22	13
	4. DISEASES OF NUTRITION .	44	44	63	55	50	54	71	67	81	97	62·6	58	49	50	1	1	6	..
V.	1. ACCIDENT OR NEGLIGENCE .	22	24	29	26	36	35	45	32	28	41	31·8	53	20	27	10	14	2	..
*	3. HOMICIDE	1	3	2	1	1	..	2	..	..	3	1·3	2	2	2	..	..	..	..
	4. SUICIDE	4	4	3	2	6	6	4	2	5	9	4·5	8	..	1	2	2	3	..
	5. EXECUTION	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	1	1	·2	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	2	1	4	3	..	6	4	3	..	1	2·4	1	..	..	..	..	1	..
	CAUSES NOT SPECIFIED . .	..	17	10	4	2	7	4	1	8	4	5·7	6	2	2	2	1	1	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 15 1859	Oct. 13 1860	Oct. 12 1861	Oct. 11 1862	Oct. 10 1863	Oct. 15 1864	Oct. 14 1865	Oct. 13 1866	Oct. 12 1867	Oct. 10 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 16, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	55°·3	45°·8	58°·3	56°·3	53°·3	50°·3	55°·3	52°·4	43°·7	51°·8	52°·3	Mean Temp. 54°·5						
I.	ORDER 1.																		
	1. Small-pox	37	3	2	11	31	10	14	24	13	6	15·1	8	5	7	1	..	..	..
	2. Measles	18	39	12	52	17	47	22	21	18	25	27·1	27	27	27	..	..	..	..
	3. Scarlet Fever (Scarlatina)	87	48	60	96	146	88	59	36	38	109	76·7	224	164	220	3	1	..	..
	4. Diphtheria	7	10	16	20	6	12	4	5	7	10	9·7	14	10	10	2	2	..	..
	5. Quinsy	1	1	1	1	..	2	2	1	..	1	1·0	..	..	..	..	..	..	..
	6. Croup	6	20	18	16	12	14	13	8	20	16	14·3	8	8	8	..	..	..	..
	7. Whooping-cough	17	26	37	24	20	22	43	27	31	14	26·1	60	59	60	..	..	..	..
	8. Typhus	40	25	41	50	51	83	52	44	36	62	48·4	7	1	4	2	1	..	..
	— Enteric Fever												16	5	8	5	1	2	..
	— Simple continued Fever												13	5	9	2	1	1	..
	9. Erysipelas	3	6	5	5	16	13	5	6	1	13	7·3	3	3	3	..	..	..	..
	10. Puerperal Fever (Metria)	3	2	3	5	9	10	3	..	4	8	4·7	6	..	..	4	2	..	..
	11. Carbuncle	..	1	2	..	1	1	1	..	..	1	·7	1	..	..	..	..	1	..
	12. Influenza	1	3	..	..	..	..	..	1	..	..	·5	..	..	..	..	..	..	..
	13. Dysentery	4	5	2	1	1	2	3	1	3	1	2·3	1	1	1	..	..	..	..
	14. Diarrhœa	29	42	54	52	30	33	54	47	59	49	44·9	51	42	42	1	3	3	2
	15. Simple Cholera	1	2	1	2	..	1	2	207	4	1	22·1	2	1	1	1	..	..	..
	16. Ague	1	..	..	..	..	..	..	..	..	1	·2	1	..	..	..	..	1	..
	17. Remittent fever	3	1	5	4	1	1	..	..	..	1	1·6	..	..	..	..	..	..	..
	18. Rheumatism	5	7	7	9	9	14	10	4	7	6	7·8	6	..	2	2	1	1	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	9	5	6	7	5	10	10	8	12	12	8·4	9	8	8	1	..	..	..
	2. Stricture of Urethra	1	1	..	1	..	2	1	..	1	2	·9	..	..	..	..	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	1	..	1	..	..	..	..	..	1	·4	..	..	..	..	..	..	..
	2. Want of Breast-milk	3	4	7	6	11	7	17	12	6	9	8·2	9	9	9	..	..	..	..
	3. Purpura and Scurvy	..	..	1	..	..	1	4	3	4	2	1·5	1	1	1	..	..	..	..
	4. Alcoholism *a* Del. Tremens	3	3	1	2	3	4	4	1	..	2	2·3	1	..	..	..	1	..	..
	4. Alcoholism *b* Intemperance	1	..	2	..	4	2	1	..	..	2	1·2	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	1	1	4	4	..	1	9	3	5	5	3·3	3	3	3	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	..	..	1	..	3	1	3	..	2	1·2	..	..	..	..	..	..	..
	2. Dropsy	3	12	12	13	21	15	8	14	10	14	12·2	15	1	2	4	6	3	..
	3. Cancer	27	16	22	26	23	26	30	33	30	32	26·5	25	..	1	2	16	6	..
	4. Cancrum Oris (Noma)	..	..	2	1	1	..	2	..	..	..	·6	..	..	..	..	..	..	..
	5. Mortification	6	4	3	5	4	2	6	4	4	6	4·4	2	..	..	1	..	..	1
	ORDER 2.																		
	1. Scrofula	8	10	10	14	15	20	10	5	15	8	11·5	9	4	5	4	..	..	..
	2. Tabes Mesenterica	8	11	23	19	17	14	30	21	24	25	19·2	27	27	27	..	..	..	..
	3. Phthisis	121	123	121	113	129	141	156	157	163	169	139·3	141	10	20	69	45	7	..
	4. Hydrocephalus	23	20	34	23	27	25	32	26	23	33	26·6	21	20	21	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	6	8	9	10	11	11	9	12	10	13	9·9	17	10	14	1	2	..	..
	2. Apoplexy	20	15	29	35	29	27	28	29	31	34	27·7	21	1	1	2	5	11	2
	3. Paralysis	17	15	21	19	31	27	18	12	25	32	21·7	18	..	..	1	5	10	2
	4. Insanity	3	..	2	3	1	4	2	..	2	..	1·7	..	..	..	..	..	..	..
	5. Chorea	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	6. Epilepsy	5	9	9	1	8	5	7	5	8	6	6·3	10	1	2	2	3	3	..
	7. Convulsions	23	33	43	37	34	41	56	40	60	63	43·0	37	37	37	..	..	..	..
	8. *Brain Disease, &c.*	12	12	16	12	23	21	12	16	14	13	15·1	10	..	3	1	5	1	..
	ORDER 2.																		
	1. Pericarditis	2	2	2	3	5	..	..	1	1	3	1·9	1	..	..	..	1	..	..
	2. Aneurism	6	4	4	2	8	3	1	..	1	4	3·3	5	..	..	2	3	..	..
	3. *Heart Disease, &c.*	35	53	32	33	54	64	60	51	51	85	51·8	55	2	9	12	16	18	..
	ORDER 3.																		
	1. Laryngitis	2	5	6	5	9	2	3	3	4	8	4·7	3	2	2	1	..	..	..
	2. Bronchitis	34	65	81	63	85	103	71	89	90	91	77·2	72	39	40	4	9	18	1
	3. Pleurisy	4	1	2	1	2	3	3	1	3	3	2·3	2	..	1	..	1	..	..
	4. Pneumonia	35	89	71	52	55	89	54	76	55	63	63·9	56	49	52	1	1	2	..
	5. Asthma	6	3	2	4	6	9	2	2	9	8	5·1	5	..	..	1	1	3	..
	6. *Lung Disease, &c.*	7	7	7	10	13	13	6	14	19	14	11·0	10	3	3	3	1	3	..
	ORDER 4.																		
	1. Gastritis	2	..	1	6	1	7	2	3	5	1	2·8	3	..	..	1	..	2	..
	2. Enteritis	4	5	8	4	5	8	3	5	3	7	5·2	6	3	4	1	1	..	..
	3. Peritonitis	8	4	7	4	3	4	7	3	7	3	5·0	3	..	..	3	..	..	..
	4. Ascites	2	3	1	2	2	4	4	2	2	3	2·5	1	1	1	..	..	..	..
	5. Ulceration of Intestines	..	3	1	3	2	3	2	2	3	4	2·3	1	1	1	..	..	..	..
	6. Hernia	4	1	1	2	5	4	5	1	3	6	3·2	1	1	1	..	..	..	..
	7. Ileus	3	1	..	3	4	4	3	3	3	4	2·8	4	1	1	..	3	..	..
	8. Intussusception	..	1	..	5	1	1	2	1	..	..	1·1	1	..	..	..	..	..	1

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

in the FORTY-FIRST WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 15 1859	Oct. 13 1860	Oct. 12 1861	Oct. 11 1862	Oct. 10 1863	Oct. 15 1864	Oct. 14 1865	Oct. 13 1866	Oct. 12 1867	Oct. 10 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 16, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	55°·3	45°·8	58°·3	56°·3	53°·3	50°·3	55°·3	52°·4	43°·7	51°·8	52°·3	Mean Temp. 54°·5						
	9. Stricture of Intestines	2	1	..	1	..	..	1	2	1	1	·9	..	..	..	..	..	..	..
	10. Fistula	..	1	..	2	..	..	1	..	..	1	·5	1	..	..	..	1	..	..
	11. *Stomach Disease, &c.*	5	4	5	7	3	8	9	5	6	5	5·7	7	3	3	2	1	..	1
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..
	13. Hepatitis	2	5	2	1	5	1	5	4	6	5	3·6	2	..	..	..	..	2	..
	14. Jaundice	3	3	6	2	9	3	5	..	3	6	4·0	3	1	1	..	1	1	..
	15. *Liver Disease, &c.*	9	16	18	14	15	22	22	17	24	16	17·3	14	..	..	3	8	3	..
	16. *Spleen Disease, &c.*	..	1	..	..	..	..	..	2	..	1	·4	1	..	..	..	..	1	..
	ORDER 5.																		
	1. Nephritis	3	1	..	1	2	1	..	1	3	1	1·3	4	2	3	1	..	..	..
	2. Ischuria	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	3	11	6	11	14	8	11	8	11	5	8·8	5	1	2	..	3	..	..
	4. Diabetes	2	1	..	1	1	4	2	3	2	2	1·8	2	..	..	1	1	..	..
	5. Calculus (Stone)	1	1	1	1	..	..	..	..	1	1	·6	..	..	..	..	..	..	..
	6. Cystitis	1	..	1	..	2	..	2	1	2	3	1·2	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	4	3	3	6	6	4	11	12	19	8	7·6	5	..	..	..	3	2	..
	ORDER 6.																		
	1. Ovarian Dropsy	2	1	2	..	1	..	1	..	1	..	·8	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	2	3	7	3	3	4	4	1	4	3	3·4	2	..	..	..	2	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	1	1	..	..	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	1	4	4	3	5	2	2	3	4	5	3·3	3	1	2	..	1	..	..
	ORDER 8.																		
	1. Phlegmon	2	1	..	5	3	..	1	4	2	1	1·9	1	..	1	..	..	..	..
	2. Ulcer	..	..	1	1	3	3	3	1	1	..	1·3	1	..	..	..	..	1	..
	3. *Skin Disease, &c.*	..	3	2	2	2	2	..	5	..	4	2·0	5	4	4	..	1	..	..
IV.	ORDER 1.																		
	1. Premature Birth	19	12	21	17	20	24	24	14	17	21	18·9	17	17	17	..	..	..	..
	2. Cyanosis	4	2	1	1	1	8	1	2	3	4	2·7	1	1	1	..	..	..	..
	3. Spina Bifida	1	1	1	4	1	..	1	..	..	1	1·0	..	..	..	..	..	..	..
	4. Other Malformations	2	..	2	..	1	2	1	3	..	1	1·2	..	..	..	..	..	..	..
	5. Teething	11	11	9	7	9	10	15	13	8	11	10·4	12	12	12	..	..	..	..
	ORDER 2.																		
	1. Paramenia	1	..	..	2	..	..	..	..	..	..	·3	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	5	6	5	1	7	9	2	8	6	11	6·0	2	..	1	1	..	..	..
	ORDER 3.																		
	1. Old Age	24	32	36	34	41	48	38	45	39	48	38·5	35	..	..	..	..	22	13
	ORDER 4.																		
	1. Atrophy and Debility	44	44	63	55	50	54	71	67	81	97	62·6	58	49	50	1	1	6	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	11	10	16	9	17	18	22	14	14	19	15·0	20	1	4	4	10	2	..
	2. Wounds	..	..	..	1	..	..	1	..	..	..	·2	..	..	..	..	..	..	..
	3. Burns and Scalds	4	3	1	2	6	3	2	3	3	2	2·9	7	7	7	..	..	..	..
	4. Poison	..	1	..	1	3	..	1	1	..	..	·7	..	..	..	..	..	..	..
	5. Drowning	4	5	7	8	2	3	10	8	6	7	6·0	6	..	..	5	1	..	..
	6. Suffocation	2	3	5	4	6	9	5	4	4	6	4·8	15	9	13	1	1	..	..
	7. Otherwise	1	2	..	1	2	2	4	2	1	7	2·2	5	3	3	..	2	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	1	3	2	1	1	..	2	..	..	3	1·3	2	2	2	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	1	1	1	2	1	1	..	2	..	1·0	2	..	..	2	..	..	..
	2. Poison	1	2	1	..	2	3	1	1	2	2	1·5	1	..	..	..	1	..	..
	3. Drowning	..	1	1	1	..	..	1	..	..	2	·6	2	..	1	..	..	1	..
	4. Hanging	..	..	..	..	2	1	1	1	..	3	·8	3	..	..	..	1	2	..
	5. Otherwise	2	..	..	..	..	1	..	..	1	2	·6	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	1	1	·2	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	2	1	4	3	..	6	4	3	..	1	2·4	1	..	..	..	..	1	..
	Causes not specified or ill-defined	..	17	10	4	2	7	4	1	8	4	5·7	6	2	2	2	1	1	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 16th October, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.	Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit)	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Pressure on square foot. Greatest.	Pressure on square foot. Least.	Pressure on square foot. Mean of 24 Obs.	Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
October.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . . 10	..	30·049	73·1	53·2	19·9	59·9	57·0	107·6	45·1	58·6	57·4	2·9	12·6	0·0	+ 8·3	90	SSE.	SE.	0·1	0·0	0·0	120	0·00	3
Monday. . 11	Greatest Dec. S.	30·032	70·6	50·0	20·6	59·9	52·5	113·6	41·4	59·4	58·4	7·4	14·4	0·0	+ 8·5	77	SE. & SSE.	S.	0·1	0·0	0·0	100	0·00	2
Tuesday . 12	First Quarter	30·014	71·0	46·7	24·3	57·8	54·6	107·9	39·2	58·9	57·9	3·2	13·2	0·0	+ 6·6	89	SW.	WSW. & SW.	1·0	0·0	0·0	171	0·00	1
Wednesday 13	..	29·903	67·5	45·0	22·5	54·5	49·3	104·3	40·0	58·4	58·4	5·2	11·1	0·0	+ 3·6	83	SW.	WSW&NW	6·9	0·0	0·5	351	0·12	2
Thursday. 14	..	29·976	53·6	39·6	14·0	46·8	40·1	84·6	33·4	57·4	56·4	6·7	12·6	0·9	— 3·8	77	W. & W. by S.	WNW, WSW, & SW.	1·2	0·0	0·3	297	0·00	0
Friday . . 15	..	29·604	59·5	46·3	13·2	52·2	49·5	80·1	42·8	56·4	55·4	2·7	9·3	0·0	+ 1·9	91	WSW.	WSW.	3·5	0·1	1·0	442	0·01	4
Saturday. 16	..	29·186	57·2	43·8	13·4	50·2	47·7	67·2	39·0	56·3	55·4	2·5	5·9	1·0	+ 0·2	91	WSW.	SW & WSW	30·0	0·2	1·8	519	0·12	5
Means . .	..	29·823	64·6	46·4	18·3	54·5	50·1	95·0	40·1	57·9	57·0	4·4	11·3	0·3	+ 3·6	85	WSW, SW, & SSE.		..	..	..	Sum 2000	Sum 0·25	2·4
No. of Columns	8	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. October.	Electricity.	Sky and Atmosphere.
Sunday . 10	No electricity was shown.	Generally cloudless. A fine day. Dense fog prevailed at night.
Monday . 11		Cloudless. A fine day. Fog prevailed during the early morning hours.
Tuesday . 12		Cloudless, but foggy in the morning; very fine afterwards, and light clouds prevailed till evening; then overcast.
Wednesday 13		Generally cloudy. Rain fell in the morning.
Thursday . 14		A fine day; light clouds prevailed till evening; overcast at night.
Friday . 15		Generally cloudy. A little rain fell during the early morning hours.
Saturday . 16		Overcast. Rain fell at intervals, but principally during the morning.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 30·06 in. at the beginning of the week to 30·07 in. by 10h. A.M. on the 10th; decreased to 30·02 in. by 3h. P.M. on the 11th; increased to 30·05 in. by 9h. P.M. on the same day; decreased to 29·86 in. by 3h. P.M. on the 13th; increased to 30·03 in. by 9h. A.M. on the 14th; decreased to 29·11 in. by 7h. P.M. on the 16th; and was 29·15 in. at the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 42. 1869. Vol. XXX.] Week ending Saturday, October 23. [Price 1*d.*

General Register Office, Somerset House,
25th October 1869.

In the week that ended on Saturday, 23d October, 4388 births, and 3187 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 25 per 1000 persons living.

The annual rate of mortality last week was 24 per 1000 in London, 26 in Edinburgh, and 20 in Dublin; 22 in Bristol, 23 in Birmingham, 31 in Liverpool, 27 in Manchester, 18 in Salford, 24 in Sheffield, 27 in Bradford, 31 in Leeds, 27 in Hull, 24 in Newcastle-upon-Tyne, and 30 in Glasgow.

The deaths referred to scarlet fever last week showed an annual death-rate of 5·4 per 1000 in Hull, 5·0 in Sheffield, 4·1 in Liverpool, 3·8 in London, 2·7 in Leeds, and 2·0 in Newcastle-upon-Tyne. The deaths resulting from this disease last week in the above six towns were 327.

In Paris the annual rate of mortality in the week ending last Saturday (23d October) was 23 per 1000. The rate in Berlin during the seven days ending 21st instant was 26 per 1000.

In London the births of 1061 boys and 1034 girls, in all 2095 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2142.

The deaths registered in London during the week were 1476. It was the forty-second week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1349. The deaths in the present return exceed by 127 the estimated amount, and exceed by 171 the number recorded in the preceding week.

The deaths from zymotic diseases were 509, the corrected average number being 364. Three deaths from small-pox, 27 from measles, 233 from scarlet fever, 11 from diphtheria, 67 from whooping-cough, 9 from typhus fever, 23 from enteric fever, 6 from simple continued fever, and 45 from diarrhœa, were registered.

The son of a millwright, aged 7 months, died on 19th October at 33 George-street, Greenwich, from "cholera infantum."

Scarlet fever was more fatal than in the preceding week. The disease prevails with the greatest severity in the East and South districts. Seven cases were recorded in the sub-district of Hackney-road, 9 in the Green sub-district of Bethnal-green, 10 in the sub-district of Mile-end Old Town East, 5 in the sub-district of Bow, 9 in the sub-district of St. James Bermondsey, 5 in the sub-district of Leather Market, Bermondsey, 13 in the sub-district of St. Peter Walworth, 6 in the sub-district of Camberwell, 11 in the sub-district of Rotherhithe, and 5 in the sub-district of St. Paul Deptford.

One hundred and fifty deaths occurred from phthisis, 101 from bronchitis, and 70 from pneumonia. The corrected average number of deaths from phthisis is 166, from bronchitis 101, and from pneumonia 84. In the previous week which ended 16th October, the deaths from these diseases were 141, 72, and 56 respectively.

The deaths of 4 persons from delirium tremens, of 16 infants from syphilis, of 2 persons from burns or scalds, of 11 persons from drowning, of 5 infants and one adult from suffocation, and of 2 persons who committed suicide were registered.

The son of a labourer, aged 4 years, died on 9th October in Guy's Hospital, from "fracture of ribs, and laceration of lung, caused by a horse and cart passing over him." *Post mort.* (*Inquest.*)

The expected number of deaths by horses or vehicles in the streets according to past experience is 163 in 42 weeks; the actual number recorded in the 42 weeks of this year is 160. Nine persons were killed by horses, 3 by carriages, 15 by omnibuses, 21 by cabs, 49 by vans or waggons, 2 by drays, and 60 by carts. One person was killed by a fire engine.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·846 in. The barometrical reading increased from 29·15 in. at the beginning of the week, to 30·33 in. on Friday, 22d October. The mean temperature of the air in the week was 42·7°, which is 6·4° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 55·5° on Thursday, 21st October. The lowest night temperature was 32·0° on Wednesday, 20th October. The entire range of temperature in the week was, therefore, 23·5°. The mean of the highest temperatures of the water of the Thames was 50·3°; that of the lowest was 49·8°. The difference between the mean dew-point temperature and air temperature was 4·7°. The mean degree of humidity of the air was 84, complete saturation being represented by 100. Rain fell to the amount of 0·90 in., of which 0·89 in. fell on Monday, 18th October. The general direction of the wind was N.N.W. and W.S.W. A violent gale prevailed on Tuesday, 19th October.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 222,806 cubic metres, and at Barking 187,527 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Forty-second Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1790	1800	1846	1863	1939	1984	1932	1964	2171	2187	1947·6	2095
Males . .	872	939	954	944	1001	997	963	1035	1082	1124	991·1	1061
Females .	918	861	892	919	938	987	969	929	1089	1063	956·5	1034
Total Deaths	910	1116	1065	1181	1205	1335	1265	1464	1332	1395	1226·8	1476
Males . .	459	534	557	622	607	669	647	800	710	691	629·6	768
Females .	451	582	508	559	598	666	618	664	622	704	597·2	708

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	July 31.	Aug. 7.	Aug. 14.	Aug. 21.	Aug. 28.	Sept. 4.	Sept. 11.	Sept. 18.	Sept. 25.	Oct. 2.	Oct 9.	Oct. 16.	Oct. 23.
Deaths - - -	1646	1630	1591	1527	1463	1391	1601	1409	1362	1395	1367	1305	1476
Deaths under 5 years of age -	967	972	920	810	767	740	854	716	682	690	661	681	736
Deaths under 20 years of age	1080	1100	1039	916	892	886	986	861	824	848	797	801	903
Deaths 20—40 - - -	181	159	166	184	153	162	183	159	148	175	189	163	182
Deaths 40—60 - - -	204	163	187	201	177	153	198	197	198	178	199	177	178
Deaths at 60 years of age and upwards - - -	181	208	199	226	241	190	234	192	192	194	182	164	213
Deaths from Small-pox -	4	2	5	5	5	5	5	6	8	6	4	8	3
„ „ Measles - -	33	25	31	21	20	19	38	21	22	20	22	27	27
„ „ Scarlet Fever -	88	100	114	132	143	170	179	178	191	238	216	224	233
„ „ Diphtheria -	3	8	6	5	6	7	8	13	9	6	9	14	11
„ „ Whooping-cough	67	65	68	60	87	75	70	64	49	51	51	60	67
„ „ Typhus fever -	18	6	10	13	10	9	12	6	9	8	9	7	9
„ „ Enteric fever -	16	22	12	17	18	25	22	21	23	22	14	16	23
„ „ SimpleContdfever	10	10	3	5	13	12	18	12	13	12	10	13	6
„ „ Diarrhœa - -	384	394	346	264	195	161	185	139	115	76	57	51	45
„ „ Phthisis - -	176	156	162	172	130	143	168	133	140	141	155	141	150
„ „ Bronchitis - -	48	65	50	54	53	50	79	63	62	64	74	72	101
„ „ Pneumonia -	46	40	48	55	36	53	54	45	54	50	54	56	70
„ „ Heart Disease -	49	40	59	49	53	43	48	46	55	55	59	55	57
Mean Temperature of the Air	64°·0	59°·8	58°·5	58°·7	68°·4	56°·1	63°·5	58°·1	56°·8	58°·8	56°·7	54°·5	42°·7
Mean Temperature of the Water of the Thames -	66·5	64·0	61·8	60·5	63·1	62·4	60·4	58·1	55·9	57·1	57·0	57·4	50·0
Humidity of the Air - -	77	77	77	74	69	66	75	82	78	81	86	85	84
Rain-fall in inches - -	0·41	0·47	0·73	0·01	0·00	0·00	0·69	1·85	0·12	0·81	0·02	0·25	0·90

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 23d day of October 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 23d Oct.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 23d Oct.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4388**	**3244**	**3187**	**57·5**	**26·5**	**43·2**	**0·50**	**51**	**14·17**	**−3·05**	**6·22**	**127**
London (Metropolis)	3,170,754	40·7	2070	2095	1462	1476	55·5	32·0	42·7	0·90	91	13·06	0·00	5·95	229
Bristol (City)	169,423	36·1	109	114	76	73 *	57·5	26·5	44·2	0·96	97	14·17	−3·05	6·78	244
Birmingham (Borough)	360,846	46·1	283	239	175	161	..	..	..	..	..	..	..	..	..
Liverpool (Borough)	509,052	99·7	345	368	295	307	54·8	35·8	45·5	0·90	91	12·67	2·12	7·50	229
Manchester (City)	370,892	82·7	277	261	210	192 *	54·9	29·0	41·5	0·54	55	12·72	−1·67	5·28	137
Salford (Borough)	119,350	23·1	89	92	60	41	58·5	28·5	41·5	0·58	59	14·72	−1·94	5·28	147
Sheffield (Borough)	239,752	10·5	196	181	126	111	54·6	32·0	42·5	0·30	30	12·56	0·00	5·88	76
Bradford (Borough)	138,522	21·0	105	79	71	73	57·5	30·0	42·8	0·33	33	14·17	−1·11	6·01	84
Leeds (Borough)	253,110	11·7	189	183	129	151	55·0	32·0	42·9	0·39	39	12·78	0·00	6·06	99
Hull (Borough)	126,682	35·6	83	72	59	66	55·0	29·0	40·4	0·46	46	12·78	−1·67	4·66	117
Newcastle-on-Tyne (Borough)	130,503	24·5	90	75	69	59	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	116	86	88	55·7	32·0	43·8	0·20	20	13·17	0·00	6·56	51
Glasgow (City)	458,937	90·6	374	354	268	263	56·3	29·8	43·9	0·16	16	13·50	−1·22	6·61	41
Dublin (City and some suburbs)	320,762	32·9	219	159	158	126	55·6	31·7	46·9	0·29	29	13·12	−0·17	8·28	74
Paris (City)	1,889,842	..	..	..	..	825	..	..	..	..	..	..	..	..	..
				Week ending 16 Oct. 1869.		Week ending 16 Oct. 1869.	Week ending 16th October 1869.					Week ending 16th October 1869.			
Vienna (City)	605,200	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(1867)			Week ending 21 Oct. 1869.		Week ending 21 Oct. 1869.	Week ending 21st October 1869.					Week ending 21st October 1869.			
Berlin (City)	702,437	..	..	459	..	361	..	..	42·3	..	..	..	..	5·75	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 23d October, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2095	1476	3	27	233	11	67	38	45
WEST DISTRICTS -	314	190	-	3	18	1	4	6	3
NORTH DISTRICTS -	441	319	1	3	38	1	17	12	13
CENTRAL DISTRICTS -	204	150	-	1	27	-	7	3	4
EAST DISTRICTS -	488	400	1	12	63	2	20	8	12
SOUTH DISTRICTS -	648	417	1	8	87	7	19	9	13
WEST DISTRICTS.									
St. Mary Paddington *WH*	38	11	-	-	4	-	1	-	-
St. John Paddington H	20	12	-	-	1	1	1	-	1
Kensington Town *W* -	56	25	-	-	2	-	-	-	-
Brompton H - -	13	7	-	-	-	-	-	-	-
St. Peter Hammersmith	5	2	-	-	-	-	-	1	-
St. Paul Hammersmith	20	10	-	-	2	-	-	-	-
Fulham *W* - - -	19	14	-	1	1	-	-	1	1
Chelsea South H - -	21	11	-	-	-	-	-	-	-
Chelsea North-west H *Ww*	13	4	-	-	-	-	1	-	-
Chelsea North-east -	18	5	-	-	-	-	-	-	-
Hanover Square - -	8	3	-	-	-	-	1	-	-
May Fair *W* - -	1	1	-	-	-	-	-	-	-
Belgrave H - - -	30	25	-	-	3	-	-	-	1
St. John Westminster -	23	15	-	1	2	-	-	1	-
St. Margaret West. *WH*	11	23	-	-	1	-	-	3	-
St. James's Square -	4	2	-	-	-	-	-	-	-
Golden Square *W* -	3	10	-	1	-	-	-	-	-
Berwick-street - -	5	5	-	-	2	-	-	-	-
St. Anne Soho - -	6	5	-	-	-	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	8	20	-	1	2	-	3	-	1
Cavendish Square - -	7	2	-	-	-	-	-	-	-
Rectory Marylebone *W*	26	20	-	-	1	-	1	1	1
St. Mary Marylebone -	25	8	-	-	2	-	-	1	-
Christchurch Marylebone	21	12	-	1	2	-	-	-	3
St. John Marylebone -	17	15	-	-	1	-	-	3	-
Hampstead *W* - -	14	9	-	-	3	-	2	-	-
Regent's Park Pancras -	20	5	-	-	-	-	-	-	-
Tottenham-court *w*H -	16	14	-	-	-	-	-	-	-
Gray's Inn Lane H -	17	7	-	-	-	-	-	-	1
Somers Town - -	16	11	-	-	1	-	1	-	-
Camden Town *W* -	12	14	-	-	-	-	1	-	1
Kentish Town - -	45	32	-	-	2	-	4	1	2
Islington West* *WHH*	68	63	-	-	11	-	3	4	3
Islington East *Ww* -	60	35	-	-	5	1	-	-	-
Stoke Newington - -	6	4	-	-	1	-	-	-	-
Stamford Hill - -	3	2	-	-	-	-	1	-	-
West Hackney - -	15	8	-	-	-	-	-	1	-
Hackney *Wllw* - -	25	25	1	1	5	-	1	-	-
South Hackney L -	20	13	-	-	2	-	-	1	1
CENTRAL DISTRICTS.									
St. George Bloomsbury -	9	1	-	-	-	-	-	-	-
St. Giles South *W* -	13	16	-	-	-	-	1	-	-
St. Giles North - -	6	2	-	-	-	-	-	-	-
Long Acre - - -	3	3	-	-	1	-	-	-	-
Charing Cross *WH* -	3	8	-	1	-	-	-	-	-
St. Mary-le-Strand -	1	1	-	-	-	-	-	-	-
St. Clement Danes H -	14	5	-	-	-	-	-	-	-
‡St. George-the-Martyr H	9	3	-	-	1	-	1	-	-
St. Andrew, East Holb. *W*	9	8	-	-	1	-	-	-	-
Saffron Hill - - -	5	6	-	-	-	-	-	-	1
St. James Clerkenwell *W*	14	11	-	-	2	-	1	-	1
Amwell Clerkenwell -	9	10	-	-	3	-	2	-	-
Pentonville - - -	9	7	-	-	1	-	1	-	-
Goswell-street - -	14	9	-	-	3	-	-	-	1
Old-street - - -	8	7	-	-	1	-	-	-	-
City-road HL - -	12	7	-	-	2	-	-	-	-
Whitecross-street - -	16	7	-	-	5	-	1	-	-
Finsbury - - -	5	3	-	-	-	-	-	-	-
St. Botolph East London	7	12	-	-	4	-	-	1	-
Cripplegate - - -	11	4	-	-	2	-	-	1	-
West London North *WH*	7	7	-	-	-	-	-	-	-
West London South -	7	7	-	-	-	-	-	-	1
London City South-west	3	3	-	-	1	-	-	1	-
London City North-west	7	1	-	-	-	-	-	-	-
London City South -	2	1	-	-	-	-	-	-	-
London City South-east	-	1	-	-	-	-	-	-	-
London City North-east	1	-	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.
EAST DISTRICTS.								
Holywell Shoreditch -	8	4	-	-	-	-	-	1
St. Leonard Shrdtch. L†	16	10	-	-	-	-	-	-
Hoxton New Town *w* -	18	12	-	-	2	-	-	-
Hoxton Old Town - -	28	15	-	1	3	1	1	-
Haggerstone West *W* -	21	22	-	1	2	-	3	-
Haggerstone East - -	15	8	-	-	1	-	2	-
Hackney-road - -	20	16	-	-	7	-	-	1
Green, Bthnl. Grn. *WHL*†	34	53	-	1	9	1	2	1
Church, Bethnal Green -	25	13	-	-	1	-	2	2
Town, Bethnal Green -	18	13	-	-	1	-	-	-
Artillery Whitechapel -	2	-	-	-	-	-	-	-
Spitalfields - - -	9	8	-	-	2	-	-	1
Mile End New Town *W*	15	11	-	1	1	-	1	-
Whitechapel North -	7	3	-	1	-	-	-	1
Whitechapel Church H	5	9	-	-	-	-	-	-
Goodman's Fields - -	5	6	-	-	2	-	-	-
Aldgate - - - -	7	7	-	-	1	-	1	-
St. Mary St. Geo. East -	13	14	-	-	2	-	-	1
St. Paul St. Geo. East -	12	16	-	-	4	-	1	-
St. John St. Geo. East *W*	16	13	-	1	1	-	-	-
Shadwell *W* - - -	12	11	-	-	1	-	-	-
Ratcliff *W* - - -	5	8	-	1	-	-	-	-
Limehouse *W* - -	16	12	-	-	3	-	2	-
Mile End Old Town, West	29	16	-	1	2	-	3	-
Mile End Old T., East *Ww*	51	43	1	3	10	-	1	-
Bow *ww*L† - - -	41	31	-	-	5	-	-	-
Poplar *W* - - -	40	26	-	1	3	-	1	-
SOUTH DISTRICTS.								
Christchurch Sthwark. *W*	14	12	-	-	1	-	-	1
St. Saviour Southwark H	11	7	-	2	3	-	-	-
St. Olave Southwark H	3	13	-	-	-	-	-	-
St. John Horsleydown *W*	2	3	-	-	-	-	-	-
St. James Bermondsey -	44	34	-	3	9	-	3	1
St. Mary Magdalen *W* -	9	13	-	-	1	-	1	-
Leather Market - -	12	13	-	-	5	-	-	-
Kent-road - -	12	6	-	-	2	-	-	1
Borough-road *W* - -	15	11	-	-	2	-	-	-
London-road L - -	7	6	-	-	2	-	-	-
Trinity Newington -	20	11	-	-	3	1	-	-
St. Peter Walworth *W*	35	27	-	1	13	1	-	1
St. Mary Newington H	9	10	-	-	2	-	-	1
Waterloo-road 1st -	14	7	-	1	1	-	-	-
Waterloo-road 2nd -	13	12	1	-	-	-	-	1
Lambeth Church 1st -	12	4	-	-	-	-	-	-
Lambeth Church 2nd *W*	44	17	-	-	2	-	1	-
Kennington 1st - -	20	12	-	-	3	1	-	2
Kennington 2nd - -	13	7	-	-	-	-	3	-
Brixton - - - -	14	10	-	-	1	-	-	-
Norwood *W* - - -	1	6	-	-	-	1	1	-
Clapham - - -	23	10	-	-	2	-	1	-
Battersea *Ww* - -	45	12	-	-	2	1	1	-
Wandsworth L - -	21	9	-	-	2	-	-	-
Putney - - - -	7	2	-	-	-	-	-	1
Streatham - - -	7	3	-	-	-	-	-	-
Dulwich - - -	3	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	26	17	-	-	6	-	1	-
Peckham - - -	25	13	-	-	2	1	-	-
St. George Camberwell -	17	22	-	-	3	1	2	-
Rotherhithe *W* - -	9	16	-	1	11	-	-	-
St. Paul Deptford - -	41	20	-	-	5	-	-	-
St. Nicholas Deptford -	1	4	-	-	1	-	-	-
Greenwich West H -	3	12	-	-	1	-	-	-
Greenwich East *WH* -	13	9	-	-	1	-	-	-
Eltham - - - -	1	-	-	-	-	-	-	-
Lee - - - -	8	3	-	-	-	-	-	-
Lewisham Village *W* -	14	8	-	-	1	-	1	-
Sydenham - - -	16	2	-	-	-	-	-	-
Charlton H - - -	2	2	-	-	-	-	-	-
Woolwich Dockyard H	11	3	-	-	-	-	-	-
Woolwich Arsenal H -	9	3	-	-	-	-	1	-
Plumstead, West - -	7	3	-	-	-	-	2	-
Plumstead, East - -	15	3	-	-	-	-	1	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - " " Tottenham-court sub-district.
West London - - " " Islington East.
East London - - " " Hackney sub-district.
St. Luke Middlesex - " " Hoxton New Town sub-district.
London City - - " " Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - " " Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‡ On 2d August the districts of Clerkenwell and St. Luke were incorporated with the Holborn district.

DEATHS in LONDON, from ALL CAUSES, Registered in the FORTY-SECOND WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 22 1859	Oct. 20 1860	Oct. 19 1861	Oct. 18 1862	Oct. 17 1863	Oct. 22 1864	Oct. 21 1865	Oct. 20 1866	Oct. 19 1867	Oct. 17 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 23, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	48°·3	50°·0	54°·6	53°·9	53°·8	53°·1	46°·8	49°·6	52°·5	49°·7	51°·2	Mean Temp. 42°·7						
	ALL CAUSES . . .	910	1116	1065	1181	1205	1335	1265	1461	1332	1395	1226·8	1476	736	903	182	178	177	36
	SPECIFIED CAUSES .	898	1111	1061	1172	1200	1324	1260	1461	1324	1391	1220·2	1467	730	897	182	176	176	36
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	297	272	286	375	327	372	326	445	248	358	330·6	509	349	461	23	13	11	1
II.	CONSTITUTIONAL „ .	196	234	218	222	236	231	277	276	290	306	248·6	261	66	85	83	67	25	1
III.	LOCAL „ .	285	440	393	411	467	550	469	530	569	534	464·8	503	204	232	60	88	111	12
IV.	DEVELOPMENTAL „ .	96	119	124	129	134	131	136	168	169	148	135·4	157	99	101	5	3	27	21
V.	VIOLENT DEATHS . .	24	46	40	35	36	40	52	42	48	45	40·8	37	12	18	11	5	2	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	269	252	263	355	309	347	291	415	227	324	305·2	462	309	421	21	10	9	1
	2. ENTHETIC „ . .	8	5	10	9	8	8	13	16	9	10	9·6	17	16	16	..	..	1	..
	3. DIETIC „ . .	14	9	11	10	9	11	19	11	7	15	11·6	20	14	14	2	3	1	..
	4. PARASITIC „ . .	6	6	2	1	1	6	3	3	5	9	4·2	10	10	10	..	..	..	..
II.	1. DIATHETIC „ . .	34	45	47	42	55	41	53	54	54	53	47·8	45	2	3	8	16	18	..
	2. TUBERCULAR „ . .	162	189	171	180	181	190	224	222	236	253	200·8	216	64	82	75	51	7	1
III.	1. DISEASES OF NERVOUS SYSTEM . .	83	109	99	114	143	142	137	136	184	153	130·0	141	62	66	9	17	46	3
	2. „ OF ORGANS OF CIRCULATION .	46	46	36	57	55	60	61	61	75	74	57·1	62	..	6	12	22	20	2
	3. „ OF RESPIRATORY ORGANS . .	92	211	184	162	176	257	172	245	220	213	193·2	203	128	138	19	19	23	4
	4. „ OF DIGESTIVE ORGANS . . .	45	46	53	48	63	57	63	52	55	53	53·5	67	12	17	16	20	13	1
	5. „ OF URINARY ORGANS . . .	8	16	14	18	19	20	18	18	18	23	17·2	20	..	1	3	8	7	1
	6. „ OF ORGANS OF GENERATION .	3	..	3	4	4	6	9	7	5	7	4·8	4	..	..	1	2	..	1
	7. „ OF ORGANS OF LOCOMOTION .	3	4	2	1	1	6	1	5	7	8	3·8	5	2	4	..	..	1	..
	8. „ OF INTEGUMENTARY SYSTEM .	5	8	2	7	6	2	8	6	5	3	5·2	1	..	..	..	..	1	..
IV.	1. DEV. DISEASES OF CHILDREN	26	24	24	38	34	39	27	38	42	33	32·5	40	39	40	..	..	..	..
	2. „ OF ADULTS .	5	5	4	..	7	7	4	9	5	4	5·0	5	..	..	5	..	..	..
	3. „ OF OLD PEOPLE	35	38	41	46	42	37	43	46	48	45	42·1	43	..	..	..	..	22	21
	4. DISEASES OF NUTRITION .	30	52	55	45	51	48	62	75	74	66	55·8	69	60	61	..	3	5	..
V.	1 ACCIDENT OR NEGLIGENCE .	13	35	34	26	34	35	41	34	37	42	33·1	34	12	18	10	3	2	1
	3. HOMICIDE	2	6	1	5	2	..	2	2	1	..	2·1	1	..	..	..	1	..	..
	4. SUICIDE	9	5	4	4	..	5	9	6	9	3	5·4	2	..	..	1	1	..	..
	5. EXECUTION	..	..	1	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	4	2	4	3	2	..	5	1	4	..	2·5	1	..	..	..	1	..	..
	CAUSES NOT SPECIFIED . .	8	3	..	6	3	11	..	2	4	4	4·1	8	6	6	..	1	1	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 22 1859	Oct. 20 1860	Oct. 19 1861	Oct. 18 1862	Oct. 17 1863	Oct. 22 1864	Oct. 21 1865	Oct. 20 1866	Oct. 19 1867	Oct. 17 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 23, 1869. ALL AGES.	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	48°3	50°0	54°6	53°9	53°8	53°1	46°8	49°6	52°5	49°7	51°2	42°7						
I.	ORDER 1.																		
	1. Small-pox	29	9	6	12	29	5	9	24	15	2	14·0	3	3	3	..	..	..	..
	2. Measles	32	56	2	61	17	38	27	19	23	24	29·9	27	24	27	..	..	..	..
	3. Scarlet Fever (Scarlatina)	85	49	87	75	114	100	53	40	39	124	76·6	233	144	231	1	1	..	..
	4. Diphtheria	14	8	17	16	14	9	9	11	8	9	11·5	11	7	11	..	..	..	..
	5. Quinsy	2	..	4	1	..	..	2	1	..	..	1·0	..	..	..	..	..	..	..
	6. Croup	6	13	19	21	8	15	10	16	14	9	13·1	10	9	10	..	..	..	..
	7. Whooping-cough	4	28	36	24	11	27	36	32	36	19	25·3	67	64	67	..	..	..	..
	8. Typhus	42	31	36	63	55	79	53	59	40	54	51·2	9	..	3	4	..	2	..
	— Enteric Fever												23	7	13	7	1	2	..
	— Simple continued Fever												6	4	5	..	1	..	..
	9. Erysipelas	5	7	4	8	11	15	11	7	6	17	9·1	7	5	5	1	1	..	..
	10. Puerperal Fever (Metria)	5	3	4	2	4	5	1	..	2	6	3·2	3	..	..	3	..	..	..
	11. Carbuncle	..	1	1	1	2	..	1	..	1	..	·7	2	..	..	..	1	1	..
	12. Influenza	..	..	3	..	..	1	1	1	..	1	·7	..	..	..	..	..	..	..
	13. Dysentery	2	..	2	1	3	2	4	1	..	1	1·6	4	2	2	1	..	1	..
	14. Diarrhœa	31	34	34	60	26	41	62	55	37	39	41·9	45	39	41	1	1	2	..
	15. Simple Cholera	2	2	2	1	1	1	4	144	2	1	16·0	1	1	1	..	..	..	..
	16. Ague	1	2	..	..	..	1	..	..	..	1	·5	..	..	..	..	..	..	..
	17. Remittent Fever	1	2	1	2	3	2	1	..	..	..	1·2	..	..	..	..	..	..	..
	18. Rheumatism	8	7	5	7	11	6	7	5	4	17	7·7	10	..	1	3	4	1	1
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	7	4	9	9	6	5	12	14	7	9	8·2	16	16	16	..	..	..	..
	2. Stricture of Urethra	1	1	1	..	2	3	1	2	2	1	1·4	1	..	..	..	..	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	..	..	..	..	..	..	1	1	·2	..	..	..	..	..	..	..
	2. Want of Breast-milk	7	4	7	5	5	6	15	11	2	8	7·0	14	14	14	..	..	..	..
	3. Purpura and Scurvy	1	3	..	2	..	..	1	..	2	4	1·3	2	..	..	..	1	1	..
	4. Alcoholism (*a* Del. Tremens)	1	1	3	3	3	4	3	..	1	1	2·0	4	..	..	2	2	..	..
	(*b* Intemperance)	5	1	1	..	1	1	..	..	1	1	1·1	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	6	6	2	1	1	6	3	3	5	8	4·1	10	10	10	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	3	2	..	1	..	2	4	..	..	1	1·3	1	..	..	..	..	1	..
	2. Dropsy	10	21	14	15	18	12	19	19	14	13	15·5	11	2	3	1	2	5	..
	3. Cancer	21	21	32	25	32	24	27	31	34	35	28·2	30	..	..	7	13	10	..
	4. Cancrum Oris (Noma)	..	..	1	..	..	..	..	..	2	2	·5	..	..	..	..	..	..	..
	5. Mortification	..	1	..	1	5	3	3	4	4	2	2·3	3	..	..	..	1	2	..
	ORDER 2.																		
	1. Scrofula	2	10	6	13	12	12	3	7	5	12	8·2	6	3	4	1	1	..	..
	2. Tabes Mesenterica	7	16	17	21	8	21	24	22	27	21	18·4	34	30	33	1	..	..	..
	3. Phthisis	139	134	127	122	130	139	171	172	177	197	150·8	150	8	19	73	50	7	1
	4. Hydrocephalus	14	29	21	24	31	18	26	21	27	23	23·4	26	23	26	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	8	5	9	8	12	9	16	12	15	22	11·6	12	8	9	2	1	..	..
	2. Apoplexy	15	19	16	33	31	30	31	26	48	31	28·0	36	3	4	2	8	20	2
	3. Paralysis	23	24	19	19	28	25	22	22	41	21	24·4	25	..	..	1	5	18	1
	4. Insanity	..	1	2	1	..	1	1	3	1	2	1·2	1	..	..	..	1	..	..
	5. Chorea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	6. Epilepsy	8	6	2	9	9	11	11	7	9	8	8·0	9	2	2	2	1	4	..
	7. Convulsions	20	45	36	33	45	56	42	49	56	51	43·3	49	48	49	..	..	..	..
	8. *Brain Disease, &c.*	9	9	15	11	18	10	14	17	14	18	13·5	9	1	2	2	1	4	..
	ORDER 2.																		
	1. Pericarditis	..	3	2	2	3	3	..	1	..	1	1·5	1	..	..	1	..	..	..
	2. Aneurism	1	2	..	..	1	2	4	..	3	4	1·7	4	..	..	2	1	1	..
	3. *Heart Disease, &c.*	45	41	34	55	51	55	57	60	72	69	53·9	57	..	6	9	21	19	2
	ORDER 3.																		
	1. Laryngitis	5	9	11	5	3	9	8	2	5	4	6·1	9	4	4	2	1	2	..
	2. Bronchitis	42	86	94	64	94	105	86	124	118	106	91·9	101	67	71	4	10	13	3
	3. Pleurisy	1	6	1	2	2	2	3	5	2	3	2·7	4	..	..	2	..	2	..
	4. Pneumonia	32	103	62	74	60	119	64	91	76	79	76·0	70	51	56	9	3	2	..
	5. Asthma	7	3	2	7	7	5	2	9	7	7	5·6	2	..	..	..	1	1	..
	6. *Lung Disease, &c.*	5	4	14	10	10	17	9	14	12	14	10·9	17	6	7	2	4	3	1
	ORDER 4.																		
	1. Gastritis	..	1	1	5	2	1	2	..	2	2	1·6	3	1	1	..	1	1	..
	2. Enteritis	3	6	6	6	7	5	6	6	5	6	5·6	6	2	3	1	1	1	..
	3. Peritonitis	4	4	4	4	4	7	4	4	5	7	4·7	6	..	2	2	1	1	..
	4. Ascites	2	3	1	1	2	..	6	7	2	4	2·8	3	..	1	1	..	1	..
	5. Ulceration of Intestines	2	2	3	..	4	5	5	..	3	1	2·5	3	..	1	1	1	..	..
	6. Hernia	5	2	3	3	3	5	1	..	4	2	2·8	3	1	1	1	..	..	1
	7. Ileus	1	1	5	3	2	7	5	2	3	4	3·3	2	..	..	1	..	1	..
	8. Intussusception	..	..	..	..	2	1	1	..	..	2	·6	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

In the FORTY-SECOND WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 22 1859	Oct. 20 1860	Oct. 19 1861	Oct. 18 1862	Oct. 17 1863	Oct. 22 1864	Oct. 21 1865	Oct. 20 1866	Oct. 19 1867	Oct. 17 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 23, 1869. ALL AGES.	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	43°3	50°0	54°6	53°9	53°8	53°1	46°8	49°6	52°5	49°7	51°2	42°7						
	9. Stricture of Intestines	..	..	1	2	..	..	..	3	1	..	·7	..	..	..	..	..	..	..
	10. Fistula	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	5	4	5	7	9	2	7	6	4	5	5·4	6	1	1	1	2	2	..
	12. *Pancreas Disease, &c.*	..	..	..	1	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	13. Hepatitis	6	5	1	..	6	3	3	1	4	3	3·2	7	1	1	4	1	1	..
	14. Jaundice	2	4	7	2	9	6	3	4	4	2	4·3	6	5	5	..	..	1	..
	15. *Liver Disease, &c.*	14	14	15	14	13	15	20	19	17	15	15·6	22	1	1	4	13	4	..
	16. *Spleen Disease, &c.*	1	..	1	..	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	3	..	..	2	1	..	3	2	1	1·2	1	..	1	..	..	..	..
	2. Ischuria	..	..	..	..	..	..	..	..	..	1	·1	3	..	..	..	2	..	1
	3. Bright's disease (Nephria)	..	4	3	4	8	5	12	5	5	9	5·5	10	..	..	2	5	3	..
	4. Diabetes	1	1	2	1	..	1	2	..	3	1	1·2	..	..	..	..	..	..	..
	5. Calculus (Stone)	1	1	1	2	..	..	..	..	1	1	·7	..	..	..	..	..	..	..
	6. Cystitis	1	..	1	..	2	1	..	3	1	3	1·2	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	5	7	7	11	7	12	4	7	6	7	7·3	6	..	..	1	1	4	..
	ORDER 6.																		
	1 Ovarian Dropsy	1	..	..	2	1	..	2	..	..	1	·7	1	..	..	..	1	..	..
	2. *Uterus Disease, &c.*	2	..	3	2	3	6	7	7	5	6	4·1	3	..	..	1	1	..	1
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	2	..	..	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	3	4	2	1	1	4	1	5	7	8	3·6	5	2	4	..	..	1	..
	ORDER 8.																		
	1. Phlegmon	2	5	..	1	3	2	4	3	2	2	2·4	..	..	..	..	..	..	..
	2. Ulcer	1	2	2	3	3	..	..	..	1	1	1·3	1	..	..	..	..	1	..
	3. *Skin Disease, &c.*	2	1	..	3	..	..	4	3	2	..	1·5	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	14	11	9	17	20	24	16	24	18	18	17·1	20	20	20	..	..	..	..
	2. Cyanosis	1	1	1	1	3	2	3	5	5	..	2·2	3	2	3	..	..	..	..
	3. Spina Bifida	1	..	..	1	..	3	..	..	2	2	·9	3	3	3	..	..	..	..
	4. Other Malformations	..	1	3	1	2	..	1	2	1	2	1·3	1	1	1	..	..	..	..
	5. Teething	10	11	11	18	9	10	7	7	16	11	11·0	13	13	13	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	5	5	4	..	6	7	4	9	5	4	4·9	5	..	..	5	..	..	..
	ORDER 3.																		
	1. Old Age	35	38	41	46	42	37	43	46	48	45	42·1	43	..	..	..	..	22	21
	ORDER 4.																		
	1. Atrophy and Debility	30	52	55	45	51	48	62	75	74	66	55·8	69	60	61	..	3	5	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	7	13	11	12	15	21	21	15	20	19	15·4	11	2	5	3	1	1	1
	2. Wounds	1	..	..	1	2	..	1	..	1	..	·6	1	..	..	1	..	..	..
	3. Burns and Scalds	3	6	5	2	4	4	1	5	3	7	4·0	2	1	1	..	..	1	..
	4. Poison	..	1	2	..	2	..	..	1	2	1	·9	1	1	1	..	..	..	..
	5. Drowning	1	7	10	7	6	4	5	2	3	6	5·1	11	1	4	5	2	..	..
	6. Suffocation	1	8	5	3	4	5	10	6	7	5	5·4	6	5	5	1	..	..	..
	7. Otherwise	..	..	1	1	1	1	3	5	1	4	1·7	2	2	2	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	6	1	5	2	..	2	2	1	..	2·1	1	..	..	..	1	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	1	..	..	..	..	1	..	..	..	..	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	1	..	..	..	2	2	1	1	1	·9	..	..	..	..	..	..	..
	2. Poison	2	..	..	2	..	1	1	1	1	..	·8	1	..	..	1	..	..	..
	3. Drowning	..	1	..	..	..	1	2	2	3	1	1·0	..	..	..	..	..	..	..
	4. Hanging	4	2	3	2	..	..	4	2	1	1	1·9	1	..	..	..	1	..	..
	5. Otherwise	1	1	1	..	..	..	..	..	3	..	·6	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	1	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	4	2	4	3	2	..	5	1	4	..	2·5	1	..	..	..	1	..	..
	Causes not specified or ill-defined	8	3	..	6	3	11	..	2	4	4	4·1	8	6	6	..	1	1	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 23d October, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.	Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shownby a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. Osler's. General Direction. P.M.	Wind. Osler's. Pressure on square foot. Greatest.	Wind. Osler's. Pressure on square foot. Least.	Wind. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
October.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . 17	..	29·639	46·8	35·3	11·5	39·5	29·7	84·1	29·9	54·4	54·4	9·8	14·7	4·4	—10·3	68	N.W.	NW.&W.	5·8	0·0	1·0	408	0·00	0
Monday . 18	Apogee	29·289	48·9	36·0	12·9	42·2	42·0	52·3	28·7	52·4	52·4	0·2	2·5	0·0	— 7·4	99	WSW.& SSW.	SSW.&SW.	7·3	0·0	0·4	307	0·89	7
Tuesday . 19	In Equator	29·455	45·3	34·2	11·1	39·5	33·0	61·6	29·2	51·4	51·4	6·5	10·8	0·0	— 9·8	78	WSW, W, & NNW.	NNW.	30+	0·0	2·5	521	0·01	2
Wednesday 20	Full	30·004	46·4	32·0	14·4	39·5	33·7	69·7	25·1	49·4	48·9	5·8	11·7	3·5	— 9·6	80	NNW.	WNW.&WSW.	3·4	0·0	0·8	367	0·00	1
Thursday . 21	..	30·105	55·5	38·0	17·5	46·0	42·0	85·0	30·1	48·9	47·7	4·0	10·5	0·0	— 2·9	86	WSW, WNW, & N.	NNE.&N.	1·1	0·0	0·1	220	0·00	0
Friday . . 22	..	30·305	49·4	37·3	12·1	43·3	40·1	56·5	28·2	47·4	46·4	3·2	8·2	0·7	— 5·4	89	NNW&SW	NNW.&WSW.	0·2	0·0	0·0	137	0·00	0
Saturday . 23	..	30·128	54·8	44·8	10·0	49·0	45·6	78·8	43·2	47·9	47·1	3·4	7·4	1·9	+ 0·5	88	NW&WSW	WSW.	0·7	0·0	0·1	241	0·00	0
Means . .	..	29·846	49·6	36·8	12·8	42·7	38·0	69·7	30·6	50·3	49·8	4·7	9·4	1·5	— 6·4	84	NNW.&WSW.		..	..	..	Sum 2201	Sum 0·90	1·4
No. of Columns.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. October.	Electricity.	Sky and Atmosphere.
Sunday . 17	No electricity was shown.	A fine day; generally cloudless till evening: then cloudy.
Monday . 18		Overcast till night, then cloudless. Rain fell heavily throughout the morning, and till 2h. 30m. P.M. A little hail fell about 1h. 15m. P.M.
Tuesday . 19		Generally overcast till evening; afterwards the amount of cloud varied continually. A little rain fell in the morning, and a violent gale prevailed during the greater part of the day from N.N.W.
Wednesday 20	The insulating lamp was not burning.	A fine day; little cloud generally prevailed till evening; cloudy afterwards.
Thursday . 21		Generally cloudy till evening; then cloudless, with slight exceptions. A little fog in the morning.
Friday . 22		Cloudy; generally foggy.
Saturday . 23		Generally cloudy. Fog prevailed in low grounds during the morning and at night.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·15 in. at the beginning of the week to 29·74 in. by 9h. P.M. on the 17th; decreased to 29·17 in. by 3h. A.M. on the 19th; increased to 30·33 in. by 9h. A.M. on the 22d; and was 30·06 in. at the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 43. 1869. Vol. XXX.] Week ending Saturday, October 30. [Price 1½d.

General Register Office, Somerset House, 1st November 1869.

In the week that ended on Saturday, 30th October, 4466 births, and 3279 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 26 per 1000 persons living.

The annual rate of mortality last week was 25 per 1000 in London, 22 in Edinburgh, and 21 in Dublin; 23 in Bristol, 25 in Birmingham, 32 in Liverpool, 31 in Manchester, 29 in Salford, 27 in Sheffield, 24 in Bradford, 28 in Leeds, 24 in Hull, 32 in Newcastle-upon-Tyne, and 27 in Glasgow.

The annual rate of mortality last week from scarlet fever was 4·9 per 1000 in Hull, 4·8 in Liverpool, 3·9 in Sheffield, 3·8 in London, 2·0 in Newcastle-upon-Tyne, and 1·2 in Leeds. The death-rate from this disease last week was therefore considerably more excessive in Hull and Liverpool than in London.

In Paris the annual rate of mortality in the week ending last Saturday (30th October) was 24 per 1000. The rate in Berlin during the seven days ending 28th ultimo was 26 per 1000.

In London the births of 1077 boys and 1102 girls, in all 2179 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2189.

The deaths registered in London during the week were 1536. It was the forty-third week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1372. The deaths in the present return exceed by 164 the estimated amount, and exceed by 60 the number recorded in the preceding week.

The deaths from zymotic diseases were 450, the corrected average number being 350. Two deaths from small-pox, 29 from measles, 229 from scarlet fever, 11 from diphtheria, 45 from whooping-cough, 8 from typhus fever, 30 from enteric fever, 6 from simple continued fever, and 34 from diarrhœa were registered.

During the last 13 weeks 2347 deaths from scarlet fever have been recorded in the Metropolis. In the spring and during the early summer the mortality from this disease was not unusually high, but in the month of August the deaths exhibited a considerable increase, and since that period the epidemic has prevailed with great severity. The registrar of the sub-district of St. Mary, St. George-in-the-East, reports in reference to the death of a child from scarlet fever in Berner-street :— "The informant in this case stated that from a neighbouring factory, putrid "animal refuse is frequently poured into the sewer after midnight, when there is "no probability of nuisance inspectors being about, and when this is done a "poisonous vapour proceeds from the drains." The registrar of the sub-district of Trinity, Newington, reports :—"Scarlet fever is raging to a very serious extent "throughout the whole of the sub-district. The son of a groom, aged 9 years, "residing at 9 Rockingham-street, went home at 12 o'clock on 28th October "apparently well, but he died from scarlet fever in a few hours."

The deaths of 2 children from infantile cholera were recorded in the week.

The low temperature which has recently prevailed has caused an increase in the number of deaths from pulmonary diseases. One hundred and seventy-five deaths from phthisis, 150 from bronchitis, and 102 from pneumonia were registered last week. The corrected average number of deaths from phthisis is 171, from bronchitis 119, and from pneumonia 88. In the previous week which ended 23d October, the deaths from these diseases were 150, 101, and 70 respectively.

The deaths of 3 persons from alcoholism, of 7 infants and 3 adults from syphilis, of 4 children and one adult from burns or scalds, of 7 persons from drowning, of 5 infants from suffocation, and of 5 persons who committed suicide were recorded.

The widow of a drayman, aged 45, was found dead in bed on 27th Oct. at 28 New-street, Southwark. The cause of death was found to be "apoplexy from cold." (*Inq.*)

The widow of a coachsmith, aged 56 years, died on 25th October at 3 Chichester-rents, Strand, of "exhaustive fever from destitution, effusion on the brain."

Five nonagenarians died during the week, and the widow of a licensed victualler died on 24th Oct. at Bramley-road, Kensington, at the age (as stated) of 100 years.

The following deaths of 5 persons who were killed by horses or vehicles in the streets were registered :—

The son of a porter, aged 8 years, "fracture of skull; run over by an omnibus." Died on 18th October in St. Mary's Hospital. *Post mort.* (*Inquest.*)

A spinster, aged 63 years, "shock from injuries; knocked down by a brewer's van." Died on 16th October in St. Mary's Hospital. *Post mort.* (*Inquest.*)

The son of a clerk, aged 2 years, "fracture of skull; run over by a hansom cab." Died on 25th October in Brecknock-crescent, Kentish Town. *Post mort.* (*Inquest.*)

The daughter of a carman, aged 8 years, "rupture of liver; run over by a dust cart." Died on 8th October in Duncan-street, Islington. *Post mort.* (*Inquest.*)

The daughter of a baker, aged 8 years, "fractured skull; run over by a horse and cart." Died on 21st October in the London Hospital. (*Inquest.*)

The expected number of deaths by horses or vehicles in the streets, according to past experience is 167 in 43 weeks; the actual numbers recorded in the 43 weeks of this year are 165. Nine persons were killed by horses, 3 by carriages, 16 by omnibuses, 22 by cabs, 50 by vans or waggons, 2 by drays, and 62 by carts. One person was killed by a fire engine. There is little trace of improvement, and no one appears to take these dreadful deaths and their countless attendant injuries to heart. Why should not special inquiry be made into all the circumstances of street accidents in London, with a view to their diminution ?

The waters supplied by the Metropolitan Companies during the month of October, contained (according to Professor Frankland's analysis) in 100,000 tons foreign solid matters amounting to 26 tons in the Chelsea water, 24 in the West Middlesex, 25 in the Southwark and Vauxhall, 25 in the Grand Junction, 26 in the Lambeth, 25 in the New River, 27 in the East London, and 42 in the Kent. 100,000 tons of the Chelsea water contained 19 tons, the West Middlesex 18 tons, the Southwark and Vauxhall 20 tons, the Grand Junction 19 tons, the Lambeth 20 tons, the New River 19 tons, the East London 22 tons, and the Kent 31 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

Professor Frankland remarks: — "My observations on the turbidity of the "waters supplied to London were begun in January 1867, and for the first time "since their commencement, the whole of the samples, *without a single exception*, "were this month delivered from the Companies' mains in a clear and transparent "condition."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·850 in. The barometrical reading decreased from 30·11 in. on Monday, 25th October, to 29·60 in. on Wednesday, 27th October. The mean temperature of the air in the week was 40·0°, which is 7·3° below the average of the same week in 50 years (as determined by Mr. Glaisher). On Tuesday, 26th October, the mean temperature was 9·1°, on Wednesday, 27th October, 12·6°, and on Thursday, 28th October, 11·9° below the average. The highest day temperature was 55·4° on Sunday, 24th October. The lowest night temperature was 27·9° on Thursday, 28th October. The entire range of temperature in the week was, therefore, 27·5°. The mean of the highest temperatures of the water of the Thames was 46·6°; that of the lowest was 44·9°. The difference between the mean dew-point temperature and air temperature was 6·1°. The mean degree of humidity of the air was 79, complete saturation being represented by 100. Rain fell to the amount of 0·21 in. The general direction of the wind was variable.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 209,698 cubic metres, and at Barking 169,298 cubic metres, equivalent to about as many tons by weight.

SIR, *Royal College of Chemistry, 29th October*, 1869.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of October. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Newcastle, Glasgow, Manchester, Bristol, Dublin, and Norwich, and by samples of Thames water taken at London Bridge at low and high water, also by the well waters from the artesian well in Trafalgar-square, from the Royal Mint, and from Barclay's Brewery.

My observations on the turbidity of the water supplied to London were begun in January 1867, and for the first time since their commencement, the whole of the samples, *without a single exception*, were this month delivered from the companies' mains in a clear and transparent condition.

I have, &c.

The Registrar General, &c. &c. &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination, (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	9th October, Cab Rank, Horse Guards	15·0	25·52	·178	·019	·000	·113	·132	810	1·65	19·2
West Middlesex	9th October, Cab Rank, Portland-road	15·5	23·52	·116	·017	·001	·155	·173	1240	1·65	18·1
Southwark and Vauxhall	9th October, Cab Rank, St. George's Church, Borough	16·1	25·00	·192	·019	·001	·161	·181	1300	1·60	19·9
Grand Junction	9th October, Cab Rank, Woodstock-st.	14·7	25·44	·157	·016	·000	·178	·194	1460	1·70	18·9
Lambeth	9th October, Cab Rank, Lambeth-road	15·0	25·80	·191	·020	·000	·143	·163	1110	1·65	19·8
OTHER SOURCES.											
New River	9th October, Cab Rank, Tottenham-court-road	15·3	25·01	·060	·019	·000	·175	·194	1430	1·50	19·2
East London	8th October, Slater's Lamp Black Works, Old Ford-road	15·5	27·20	·119	·016	·000	·129	·145	970	1·70	21·8
Kent	8th October, Deptfd. Bdge, Police Stat.	13·6	42·20	·071	·025	·000	·439	·464	4070	2·80	31·2
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September 1868		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July 1868, Glasgow		3·00	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June 1868, Manchester		6·20	·183	·009	·006	·025	·039	0	1·117	3·7
Bristol	February 1869, Bristol Waterworks		28·66	·160	·017	·001	·203	·221	1720	1·300	24·46
Dublin	April 1869, Dublin Water Supply		6·34	·238	·024	·001	·000	·025	0	1·240	2·97
Norwich	September 1868, Norwich Water Supply		28·18	·227	·055	·000	·000	·055	0	2·631	23·68
Thames water, filtered	27th April 1869, London Bridge mid-stream, at low water		30·35	·455	·075	·032	·181	·282	1750	1·950	22·70
	27th April 1869, London Bridge mid-stream, at high water		92·85	·540	·122	·025	·394	·537	3830	31·500	23·90
Artesian well water	May 6th, 1869, Trafalgar Square, London		83·4	·150	·012	·070	·000	·070	260	16·55	5·92
Deep Chalk well water	June 1869, Royal Mint,		83·96	·195	·025	·060	·000	·074	170	13·92	17·48
Deep well water	July 1869, Barclay's Brewy., Sothwk.	12·1	73·3	·085	·008	·060	·000	·057	170	14·08	7·33
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 9th October at the Horse Guards' cab rank had a temperature of 15·0° C.;

100,000 lbs. of it contained 25·52 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·178 lb. of carbon and ·019 lb. of nitrogen. This solid impurity also contained ·113 lb. of nitrogen in the form of nitrates and nitrites, and no ammonia, whilst the total amount of *combined* nitrogen in every form was ·132 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 810 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·65 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 19·2 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Forty-third Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1645	1949	1822	1890	1951	2031	2227	2148	2198	2034	1989·5	2179
Males . .	823	994	945	990	1003	1044	1137	1099	1135	1012	1018·2	1077
Females . .	822	955	877	900	948	987	1090	1049	1063	1022	971·3	1102
Total Deaths	1048	1026	1087	1224	1246	1409	1377	1394	1239	1421	1247·1	1536
Males . .	543	525	579	609	611	699	721	697	610	719	631·3	803
Females . .	505	501	508	615	635	710	656	697	629	702	615·8	733

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Aug. 7.	Aug. 14.	Aug. 21.	Aug. 28.	Sept. 4.	Sept. 11.	Sept. 18.	Sept. 25.	Oct. 2.	Oct. 9.	Oct. 16.	Oct. 23.	Oct. 30.
Deaths - - - - -	1630	1591	1527	1463	1391	1601	1409	1362	1395	1367	1305	1476	1536
Deaths under 5 years of age -	972	920	810	767	740	854	716	682	690	661	681	736	719
Deaths under 20 years of age	1100	1039	916	892	886	986	861	824	848	797	801	903	870
Deaths 20—40 - - -	159	166	184	153	162	183	159	148	175	189	163	182	192
Deaths 40–60 - - -	163	187	201	177	153	198	197	198	178	199	177	178	240
Deaths at 60 years of age and upwards - - -	208	199	226	241	190	234	192	192	194	182	164	213	234
Deaths from Smallpox - -	2	5	5	5	5	5	6	8	6	4	8	3	2
„ „ Measles - -	25	31	21	20	19	38	21	22	20	22	27	27	29
„ „ Scarlet Fever -	100	114	132	143	170	179	178	191	238	216	224	233	229
„ „ Diphtheria -	8	6	5	6	7	8	13	9	6	9	14	11	11
„ „ Whooping-cough	65	68	60	87	75	70	64	49	51	51	60	67	45
„ „ Typhus fever -	6	10	13	10	9	12	6	9	8	9	7	9	8
„ „ Enteric fever -	22	12	17	18	25	22	21	23	22	14	16	23	30
„ „ Simple Cont^{d} fever	10	3	5	13	12	18	12	13	12	10	13	6	6
„ „ Diarrhœa - -	394	346	264	195	161	185	139	115	76	57	51	45	34
„ „ Phthisis - -	156	162	172	130	143	168	133	140	141	155	141	150	175
„ „ Bronchitis - -	65	50	54	53	50	79	63	62	64	74	72	101	150
„ „ Pneumonia -	40	48	55	36	53	54	45	54	50	54	56	70	102
„ „ Heart Disease -	40	59	49	53	43	48	46	55	55	59	55	57	60
Mean Temperature of the Air	59°·8	58°·5	58°·7	68°·4	56°·1	63°·5	58°·1	56°·8	58°·8	56°·7	54°·5	42°·7	40°·0
Mean Temperature of the Water of the Thames -	64·0	61·8	60·5	63·1	62·4	60·4	58·1	55·9	57·1	57·0	57·4	50·0	45·7
Humidity of the Air - -	77	77	74	69	66	75	82	78	81	86	85	84	79
Rain-fall in inches - -	0·47	0·73	0·01	0·00	0·00	0·69	1·85	0·12	0·81	0·02	0·25	0·90	0·21

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 30th day of October 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 30th Oct.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 30th Oct.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	Rain Fall. In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4466**	**3244**	**3279**	**58·9**	**27·9**	**41·6**	**0·44**	**44**	**14·94**	**−2·28**	**5·34**	**112**
London (Metropolis)	3,170,754	40·7	2070	2179	1462	1536	55·4	27·9	40·0	0·21	21	13·00	−2·28	4·44	53
Bristol (City)	169,423	36·1	109	98	76	76 *	58·9	29·5	42·9	0·48	48	14·94	−1·39	6·06	122
Birmingham (Borough)	360,846	46·1	283	217	175	170	55·0	30·4	41·7	0·36	36	12·78	−0·89	5·39	91
Liverpool (Borough)	509,052	99·7	345	366	295	309	53·2	33·1	46·3	0·69	70	11·78	0·62	7·95	175
Manchester (City)	370,892	82·7	277	260	210	220 *	55·5	28·0	40·0	0·54	55	13·06	−2·22	4·44	137
Salford (Borough)	119,350	23·1	89	91	60	67	56·4	29·0	40·8	0·55	56	13·55	−1·67	4·89	140
Sheffield (Borough)	239,752	10·5	196	207	126	126	54·0	30·5	41·1	0·16	16	12·22	−0·83	5·06	41
Bradford (Borough)	138,522	21·0	105	92	71	63	56·1	29·0	39·8	0·35	35	13·39	−1·67	4·34	89
Leeds (Borough)	253,110	11·7	189	194	129	136	57·0	30·0	42·0	0·42	42	13·89	1·11	5·56	107
Hull (Borough)	126,682	35·6	83	71	59	58	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	74	69	80	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	127	86	75	50·7	31·0	40·3	0·40	40	10·39	−0·56	4·61	101
Glasgow (City)	458,937	90·6	374	359	268	236	55·6	28·5	40·5	0·30	30	13·12	−1·94	4·72	76
Dublin (City and some suburbs)	320,762	32·9	219	131	158	127	55·0	32·7	43·8	0·36	36	12·78	0·39	6·56	91
Paris (City)	1,889,842	..	..	..	..	880	..	..	..	..	..	..	..	..	..
				Week ending 23d Oct. 1869.		Week ending 23d Oct. 1869.	Week ending 23d October 1869.					Week ending 23d October 1869.			
Vienna (City)	605,200 (1867)	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 28th Oct. 1869.		Week ending 28th Oct. 1869.	Week ending 28th October 1869.					Week ending 28th October 1869.			
Berlin (City)	702,437	..	..	592	..	350	..	..	39·4	..	..	..	..	4·12	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester: G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 30th October, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2179	1536	2	29	229	11	45	44	34
WEST DISTRICTS -	330	222	–	2	16	5	3	5	5
NORTH DISTRICTS -	489	350	1	6	40	–	6	12	7
CENTRAL DISTRICTS	202	185	–	4	28	1	7	10	3
EAST DISTRICTS -	490	375	–	10	76	2	15	11	11
SOUTH DISTRICTS -	668	404	1	7	69	3	14	6	8
WEST DISTRICTS.									
St. Mary Paddington *WH*	51	23	–	–	1	–	–	–	1
St. John Paddington H	11	11	–	–	2	–	–	–	–
Kensington Town *W* -	60	31	–	–	2	2	–	–	2
Brompton H - -	9	6	–	–	–	–	–	–	–
St. Peter Hammersmith	3	1	–	–	–	–	–	–	–
St. Paul Hammersmith	29	12	–	–	3	–	–	–	–
Fulham *W* - - -	10	7	–	–	–	–	–	–	–
Chelsea South H - -	10	9	–	–	–	1	1	–	–
ChelseaNorth-west H*Ww*	8	10	–	–	1	–	–	1	–
Chelsea North-east -	15	8	–	–	1	–	–	–	–
Hanover Square - -	10	8	–	–	–	–	–	–	–
May Fair *W* - -	7	8	–	–	1	–	–	–	–
Belgrave H - - -	36	19	–	1	–	1	–	2	–
St. John Westminster -	28	20	–	–	–	–	2	–	1
St. Margaret West. *WH*	11	20	–	–	1	–	–	1	–
St. James's Square -	5	1	–	–	–	–	–	–	–
Golden Square *W* -	10	13	–	–	1	–	–	1	–
Berwick-street - -	6	9	–	1	2	–	–	–	1
St. Anne Soho - -	11	6	–	–	1	1	–	–	–
NORTH DISTRICTS.									
All Souls Marylebone H	17	19	–	–	2	–	1	–	–
Cavendish Square - -	7	3	–	–	–	–	1	–	–
Rectory Marylebone *W*	17	20	–	–	3	–	–	–	–
St. Mary Marylebone -	14	10	–	–	2	–	–	–	–
Christchurch Marylebone	17	21	–	–	2	–	–	1	1
St. John Marylebone -	23	8	–	–	1	–	–	1	–
Hampstead *W* - -	14	13	–	1	–	–	–	–	–
Regent's Park Pancras -	27	13	–	1	1	–	–	3	–
Tottenham-court *wH* -	15	18	–	–	–	–	1	–	1
Gray's Inn Lane H -	24	13	–	–	1	–	–	–	–
Somers Town - -	25	17	–	–	–	–	–	1	–
Camden Town *W* -	13	16	–	1	–	–	1	–	–
Kentish Town - -	46	26	–	1	1	–	–	–	1
Islington West* *WHH*	62	60	1	2	13	–	1	4	–
Islington East *Ww* -	81	52	–	–	9	–	1	1	2
Stoke Newington - -	8	4	–	–	1	–	–	–	1
Stamford Hill - -	2	2	–	–	–	–	–	–	–
West Hackney - -	20	4	–	–	–	–	–	–	–
Hackney *WHw* - -	37	20	–	–	1	–	–	–	1
South Hackney L -	20	11	–	–	3	–	–	1	–
CENTRAL DISTRICTS.									
St. George Bloomsbury -	2	9	–	1	3	–	–	–	–
St. Giles South *W* -	27	11	–	–	–	–	–	–	–
St. Giles North - -	11	9	–	–	–	–	1	1	–
Long Acre - - -	3	5	–	–	1	–	–	–	–
Charing Cross *WH* -	7	6	–	–	–	–	–	–	–
St. Mary-le-Strand -	3	3	–	–	–	–	–	–	–
St. Clement Danes H -	7	6	–	–	2	–	–	1	–
St.George-the-Martyr H	19	14	–	1	2	–	1	–	1
St. Andrew, East Holb. *W*	7	6	–	–	–	–	–	–	–
Saffron Hill - - -	7	6	–	–	1	–	–	–	–
St. James Clerkenwell *W*	13	16	–	–	5	–	1	1	–
Amwell Clerkenwell -	6	8	–	–	3	–	–	–	–
Pentonville - - -	8	6	–	–	–	–	1	–	1
Goswell-street - -	11	12	–	–	3	–	–	–	–
Old-street - - -	2	7	–	–	1	–	–	1	–
City-road HL - -	30	10	–	–	2	–	1	–	–
Whitecross-street - -	5	8	–	1	1	–	1	1	1
Finsbury - - -	4	2	–	–	–	1	–	–	–
St. Botolph East London	6	8	–	–	1	–	1	1	–
Cripplegate - - -	7	6	–	1	–	–	–	2	–
West London North *WH*	1	11	–	–	–	–	–	1	–
West London South -	5	2	–	–	1	–	–	–	–
London City South-west	2	2	–	–	–	–	–	–	–
London City North-west	1	4	–	–	1	–	–	–	–
London City South -	2	2	–	–	–	–	–	–	–
London City South-east	3	3	–	–	–	–	–	1	–
London City North-east	3	3	–	–	1	–	–	–	–

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.
EAST DISTRICTS.								
Holywell Shoreditch -	9	3	–	–	3	–	–	–
St. Leonard Shrdtch. L†	22	16	–	–	4	–	1	–
Hoxton New Town *w* -	30	14	–	–	1	–	–	–
Hoxton Old Town - -	27	16	–	–	2	–	–	1
Haggerstone West *W* -	17	12	–	–	–	–	2	1
Haggerstone East - -	16	8	–	–	2	–	1	1
Hackney-road - -	35	19	–	–	3	–	1	1
Green, Bthnl.Grn. *W*HL†	26	22	–	–	6	–	–	1
Church, Bethnal Green	22	20	–	–	10	–	–	–
Town, Bethnal Green -	19	10	–	–	3	–	–	–
Artillery Whitechapel -	3	3	–	–	–	–	–	–
Spitalfields - - -	9	11	–	1	3	–	1	–
Mile End New Town *W*	9	18	–	1	3	1	–	–
Whitechapel North -	5	3	–	–	–	–	–	–
Whitechapel Church H	3	18	–	–	1	–	–	2
Goodman's Fields - -	8	4	–	–	2	–	–	–
Aldgate - - - -	5	3	–	–	–	–	–	–
St. Mary St. Geo. East -	9	9	–	–	2	–	1	1
St. Paul St. Geo. East -	9	17	–	1	3	–	2	–
St. John St. Geo. East *W*	3	10	–	–	2	–	1	–
Shadwell *W* - - -	12	5	–	–	1	–	1	–
Ratcliff *W* - - -	8	8	–	1	–	–	–	–
Limehouse *W* - -	16	16	–	1	3	–	1	–
Mile End Old Town, West	24	20	–	1	6	–	1	2
Mile End Old T., East *Ww*	50	25	–	–	2	1	1	1
Bow *ww*L† - - -	49	35	–	2	11	–	–	–
Poplar *W* - - -	45	30	–	2	3	–	1	–
SOUTH DISTRICTS.								
Christchurch Sthwark. *W*	8	13	–	–	1	–	2	–
St. Saviour Southwark H	12	7	–	–	–	–	–	–
St. Olave Southwark H	3	15	–	1	1	–	–	–
St. John Horsleydown *W*	6	10	–	–	2	–	–	–
St. James Bermondsey -	47	24	–	3	6	–	1	1
St. Mary Magdalen *W*	16	11	–	–	2	–	–	–
Leather Market - -	9	12	–	–	4	–	1	–
Kent-road - - -	14	5	–	–	1	–	1	–
Borough-road *W* - -	10	13	–	–	1	–	–	–
London-road L - -	8	13	–	–	4	1	1	1
Trinity Newington -	18	15	–	–	5	–	–	–
St. Peter Walworth *W*	30	19	–	–	6	–	1	–
St. Mary Newington H -	15	16	–	–	3	–	1	–
Waterloo-road 1st - -	12	1	–	–	1	–	–	–
Waterloo-road 2nd -	9	8	–	–	–	–	–	–
Lambeth Church 1st -	24	6	–	1	2	–	–	–
Lambeth Church 2nd *W*	32	16	–	1	1	–	–	–
Kennington 1st - -	28	14	–	–	–	–	–	1
Kennington 2nd - -	22	6	–	–	–	–	–	–
Brixton - - - -	12	4	–	1	1	–	–	1
Norwood *W* - - -	11	1	–	–	–	–	1	–
Clapham - - -	15	7	1	–	1	–	–	–
Battersea *Ww* - -	45	25	–	–	5	1	1	–
Wandsworth L - -	18	3	–	–	1	–	–	–
Putney - - - -	1	2	–	–	–	–	–	–
Streatham - - -	5	3	–	–	–	–	–	–
Dulwich - - -	1	–	–	–	–	–	–	–
Camberwell *W*L†L† -	17	18	–	–	6	–	–	1
Peckham - - -	30	10	–	–	2	–	–	–
St. George Camberwell -	34	22	–	–	5	–	4	–
Rotherhithe *W* - -	26	17	–	–	1	–	–	1
St. Paul Deptford - -	29	14	–	–	2	–	–	–
St. Nicholas Deptford -	2	8	–	–	3	–	–	–
Greenwich West H -	10	4	–	–	1	–	–	–
Greenwich East *WH* -	13	8	–	–	–	–	–	–
Eltham - - - -	1	–	–	–	–	–	–	–
Lee - - - -	7	6	–	–	1	–	–	–
Lewisham Village *W* -	6	4	–	–	–	–	–	–
Sydenham - - -	8	1	–	–	–	–	–	–
Charlton H - - -	6	2	–	–	–	1	–	–
Woolwich Dockyard H	14	4	–	–	–	–	–	–
Woolwich Arsenal H -	13	8	–	–	–	–	–	–
Plumstead, West - -	12	4	–	–	–	–	–	–
Plumstead, East - -	9	5	–	–	–	–	–	–

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the FORTY-THIRD WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 29 1859	Oct. 27 1860	Oct. 26 1861	Oct. 25 1862	Oct. 24 1863	Oct. 29 1864	Oct. 28 1865	Oct. 27 1866	Oct. 26 1867	Oct. 24 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 30, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	38°6	53°2	54°1	47°4	52°5	50°6	46°9	49°1	52°1	42°6	48°7	Mean Temp 40°0						
	ALL CAUSES . . .	1048	1026	1087	1224	1246	1409	1377	1394	1239	1421	1247·1	1536	719	870	192	240	177	57
	SPECIFIED CAUSES .	1030	1019	1076	1215	1232	1407	1374	1390	1238	1403	1238·4	1527	718	869	189	238	174	57
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	270	269	287	371	374	345	334	368	238	331	318·7	450	310	400	22	21	6	1
II.	CONSTITUTIONAL „ .	232	189	235	253	224	259	287	257	266	304	250·6	269	50	74	86	79	27	3
III.	LOCAL „ .	365	418	407	423	457	598	548	598	533	559	490·6	605	239	266	74	123	118	24
IV.	DEVELOPMENTAL „ .	133	114	109	140	127	169	167	121	161	174	141·5	155	104	104	3	3	20	25
V.	VIOLENT DEATHS . .	30	29	38	28	50	36	38	46	40	35	37·0	48	15	25	4	12	3	4
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	233	250	268	343	348	322	305	348	218	308	294·3	421	290	380	20	16	5	..
	2. ENTHETIC „ . .	13	7	3	9	4	1	10	8	6	8	6·9	13	7	7	2	2	1	1
	3. DIETIC „ . .	21	12	15	17	17	20	18	10	10	9	14·9	15	12	12	..	3	..	..
	4. PARASITIC „ . .	3	..	1	2	5	2	1	2	4	6	2·6	1	1	1	..	..	..	..
II.	1. DIATHETIC „ . .	33	34	34	44	40	52	49	57	44	59	44·6	51	..	1	2	26	19	3
	2. TUBERCULAR „ . .	199	155	201	209	184	207	238	200	222	245	206·0	218	50	73	84	53	8	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	112	99	111	126	137	130	147	153	128	148	129·1	161	65	69	17	32	37	6
	2. „ OF ORGANS OF CIRCULATION .	48	51	51	33	57	56	73	73	45	80	56·7	68	1	8	16	24	18	2
	3. „ OF RESPIRATORY ORGANS . .	123	190	171	171	177	319	217	302	246	227	214·3	280	162	166	20	38	44	12
	4. „ OF DIGESTIVE ORGANS . .	51	47	47	48	58	54	72	42	64	63	54·6	55	5	12	12	15	16	..
	5. „ OF URINARY ORGANS . . .	14	18	20	28	15	19	24	17	33	24	21·2	24	1	4	4	10	3	3
	6. „ OF ORGANS OF GENERATION .	4	6	2	6	3	6	4	8	5	5	4·9	3	..	..	1	2	..	..
	7. „ OF ORGANS OF LOCOMOTION .	5	2	1	6	2	10	7	1	6	5	4·5	10	3	5	4	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	8	5	4	5	8	4	4	2	6	7	5·3	4	2	2	..	1	..	1
IV.	1. DEV. DISEASES OF CHILDREN	34	28	30	38	30	45	38	26	36	43	34·8	37	37	37	..	..	..	..
	2. „ OF ADULTS . .	4	5	6	4	3	8	4	4	9	4	5·1	4	..	..	3	1	..	..
	3. „ OF OLD PEOPLE	36	41	36	38	41	39	47	34	53	42	40·7	42	..	..	..	..	17	25
	4. DISEASES OF NUTRITION .	59	40	37	60	53	77	78	57	63	85	60·9	72	67	67	..	2	3	..
V.	1. ACCIDENT OR NEGLIGENCE .	28	25	26	20	46	31	28	41	31	25	30·1	39	12	21	3	9	2	4
*	3. HOMICIDE	1	1	2	2	..	2	3	3	2	3	1·9	4	3	3	..	1	..	..
	4. SUICIDE	1	3	10	5	4	3	7	2	6	5	4·6	5	..	1	1	2	1	..
	5. EXECUTION	..	..	..	1	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	1	2	·3	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	1	2	..	4	3	..	2	1	1	1	1·5	1	..	..	..	..	1	..
	CAUSES NOT SPECIFIED . .	17	5	11	5	11	2	1	3	..	17	7·2	8	1	1	3	2	2	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Register

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 29 1859	Oct. 27 1860	Oct. 26 1861	Oct. 25 1862	Oct. 24 1863	Oct. 29 1864	Oct. 28 1865	Oct. 27 1866	Oct. 26 1867	Oct. 24 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 30, 1869. Deaths of Persons of the Age: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.
	Mean Temperature	° 38·6	° 53·2	° 54·1	° 47·4	° 52·5	° 50·6	° 46·9	° 49·1	° 52·1	° 42·6	° 48·7	Mean Temp. ° 40·0					
I.	ORDER 1.																	
	1. Small-pox	22	6	5	5	24	9	12	16	8	4	11·1	2	2	2	..	..	..
	2. Measles	15	43	10	52	21	33	37	32	31	19	29·3	29	28	29	..	..	..
	3. Scarlet Fever (Scarlatina)	91	54	96	104	136	95	60	46	36	105	82·3	229	154	224	5	..	..
	4. Diphtheria	11	13	11	17	11	6	8	7	4	10	9·8	11	9	11	..	..	..
	5. Quinsy	3	1	..	..	3	4	..	1	1	1	1·4	1	1	1	..	..	..
	6. Croup	4	10	12	16	17	16	16	7	17	13	12·8	6	5	6	..	..	..
	7. Whooping-cough	15	41	31	26	23	27	37	42	25	21	28·8	45	44	45	..	..	..
	8. Typhus — Enteric Fever — Simple continued Fever	26	29	52	53	60	79	57	36	45	67	50·4	8 30 6	.. 8 4	3 16 4	3 7 1	2 5 1	.. 2 ..
	9. Erysipelas	4	2	6	8	9	9	10	5	5	10	6·8	2	..	..	..	..	2
	10. Puerperal Fever (Metria)	7	3	3	1	9	4	2	3	2	3	3·7	3	..	1	2	..	..
	11. Carbuncle	..	2	..	1	1	1	..	..	2	..	·7	2	..	..	..	2	..
	12. Influenza	..	..	..	1	..	1	1	..	1	..	·4	1	..	1	..	..	..
	13. Dysentery	2	4	..	4	5	2	2	3	2	4	2·8	2	1	1	..	1	..
	14. Diarrhœa	25	32	35	39	19	28	48	32	27	30	31·5	34	30	30	..	3	1
	15. Simple Cholera	1	2	..	1	..	1	4	112	3	..	12·4	2	2	2	..	..	..
	16. Ague	..	..	1	..	1	1	..	..	..	..	·3	..	..	..	..	..	..
	17. Remittent fever	2	1	2	4	1	1	..	..	..	..	1·1	..	..	..	..	..	..
	18. Rheumatism	5	7	4	11	8	5	10	6	8	21	8·5	7	1	3	2	2	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	1	..	1	..	·2	1	1	1	..	..	..
	ORDER 2.																	
	1. Syphilis	12	6	2	6	3	1	9	8	6	8	6·1	10	7	7	1	1	..
	2. Stricture of Urethra	1	1	1	3	1	..	1	..	..	..	·8	3	..	..	1	1	1
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																	
	1. Privation	1	..	..	1	..	1	..	..	..	..	·3	..	..	..	..	..	..
	2. Want of Breast-milk	15	8	10	12	11	8	13	7	6	7	9·7	9	9	9	..	..	..
	3. Purpura and Scurvy	1	..	1	1	3	2	1	1	2	1	1·3	3	3	3	..	..	..
	4. Alcoholism { *a* Del. Tremens *b* Intemperance	2 2	2 2	2 2	2 1	2 1	7 2	2 2	2 ..	2 ..	1 ..	2·4 1·2	2 1	.. ..	.. ..	.. ..	2 1	..
	ORDER 4.																	
	1. Thrush	3	..	..	2	5	2	1	2	4	6	2·5	1	1	1	..	..	..
	2. Worms, &c.	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..
II.	ORDER 1.																	
	1. Gout	1	1	1	..	2	1	3	4	3	3	1·9	1	..	..	..	..	1
	2. Dropsy	17	14	6	14	11	19	14	18	12	14	13·9	11	..	1	..	7	2
	3. Cancer	13	16	24	25	23	29	28	30	24	38	25·0	35	..	..	2	18	15
	4. Cancrum Oris (Noma)	..	1	..	1	..	..	2	..	1	1	·6	..	..	..	..	..	..
	5. Mortification	2	2	3	4	4	3	2	5	4	3	3·2	4	..	..	..	1	1
	ORDER 2.																	
	1. Scrofula	15	15	7	22	10	10	17	8	5	6	11·5	4	3	4	..	..	..
	2. Tabes Mesenterica	14	12	20	11	18	22	21	15	25	20	17·8	21	20	20	1	..	..
	3. Phthisis	155	100	146	156	142	155	179	154	174	192	155·3	175	12	31	83	53	8
	4. Hydrocephalus	15	28	28	20	14	20	21	23	18	27	21·4	18	15	18	..	..	..
III.	ORDER 1.																	
	1. Cephalitis	11	7	12	11	12	4	17	11	9	14	10·8	10	7	8	1	..	..
	2. Apoplexy	25	28	29	31	36	32	36	39	33	38	32·7	46	3	3	8	16	15
	3. Paralysis	25	23	13	18	25	33	23	34	23	24	24·1	30	1	1	3	10	15
	4. Insanity	2	..	2	..	..	3	1	2	2	2	1·4	..	..	..	..	..	..
	5. Chorea	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..
	6. Epilepsy	6	3	3	5	7	6	4	5	7	10	5·6	6	..	2	2	..	2
	7. Convulsions	25	25	42	47	42	42	38	48	38	46	39·3	52	52	52	..	..	..
	8. *Brain Disease, &c.*	18	13	10	14	15	9	28	14	16	14	15·1	17	2	3	3	6	5
	ORDER 2.																	
	1. Pericarditis	4	5	2	3	2	2	3	1	1	3	2·6	4	..	1	2	..	1
	2. Aneurism	1	3	2	2	2	2	6	1	2	6	2·7	4	..	..	2	2	..
	3. *Heart Disease, &c.*	43	43	47	28	53	52	64	71	42	71	51·4	60	1	7	12	22	17
	ORDER 3.																	
	1. Laryngitis	8	8	6	9	8	10	7	4	8	7	7·5	6	5	5	..	1	..
	2. Bronchitis	58	96	88	81	91	150	119	159	121	120	108·3	150	74	77	9	24	30
	3. Pleurisy	5	2	2	1	4	2	3	3	2	3	2·7	2	..	..	1	..	1
	4. Pneumonia	43	74	60	61	63	138	71	112	100	77	79·9	102	78	79	10	7	5
	5. Asthma	5	7	4	6	3	5	10	7	10	8	6·5	10	..	..	..	4	5
	6. *Lung Disease, &c.*	4	3	11	13	8	14	7	17	5	12	9·4	10	5	5	..	2	3
	ORDER 4.																	
	1. Gastritis	4	1	..	1	2	..	2	2	4	..	1·6	1	..	..	..	..	1
	2. Enteritis	6	6	5	4	4	5	4	4	5	14	5·7	15	3	6	3	4	2
	3. Peritonitis	4	2	1	4	6	5	4	4	8	8	4·6	1	..	..	1	..	..
	4. Ascites	5	3	3	2	4	5	3	2	2	1	3·0	1	..	..	..	1	..
	5. Ulceration of Intestines	..	1	1	4	2	3	..	..	1	4	1·6	2	1	2	..	..	..
	6. Hernia	1	1	4	1	1	3	3	1	3	1	1·9	4	..	1	1	2	..
	7. Ileus	2	2	5	2	2	4	7	1	4	2	3·1	4	..	1	..	1	2
	8. Intussusception	1	2	2	..	..	..	1	1	2	3	1·2	1	..	..	..	1	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discover whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Ca of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism,"

the FORTY-THIRD WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Oct. 29 1859	Oct. 27 1860	Oct. 26 1861	Oct. 25 1862	Oct. 24 1863	Oct. 29 1864	Oct. 28 1865	Oct. 27 1866	Oct. 26 1867	Oct. 24 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, October 30, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	38°6	53°2	54°1	47°4	52°5	50°6	46°9	49°1	52°1	42°6	48°7	40°0						
	9. Stricture of Intestines	1	2	..	1	1	..	1	3	1	2	1·2	..	..	..	..	..	..	..
	10. Fistula	1	..	..	..	1	..	..	1	..	..	·3	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	4	6	2	5	7	6	10	9	5	7	6·1	3	..	..	1	..	2	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	2	5	3	..	7	3	3	2	..	5	3·0	3	..	..	1	1	1	..
	14. Jaundice	5	3	3	5	3	3	6	..	4	3	3·5	2	1	2	..	..	..	..
	15. *Liver Disease, &c.*	15	13	18	19	17	16	27	12	25	13	17·5	18	..	..	5	5	8	..
	16. *Spleen Disease, &c.*	..	..	..	..	1	1	1	..	..	..	·3	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	1	2	2	..	1	2	..	1	3	1·2	5	1	3	..	1	1	..
	2. Ischuria	1	..	2	..	..	..	..	..	..	..	·3	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	9	9	10	14	5	6	17	7	21	6	10·4	12	..	1	3	6	2	..
	4. Diabetes	..	1	2	1	1	..	..	2	3	4	1·4	1	..	..	1	..	..	..
	5. Calculus (Stone)	2	..	..	..	1	2	..	..	1	1	·7	..	..	..	..	..	..	..
	6. Cystitis	..	..	1	1	2	2	..	2	..	2	1·0	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	2	7	3	10	6	8	5	6	7	8	6·2	6	..	..	..	3	..	3
	ORDER 6.																		
	1. Ovarian Dropsy	1	3	..	..	..	1	..	1	1	2	·9	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	3	3	2	6	3	5	4	7	4	3	4·0	3	..	..	1	2	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	1	..	1	..	..	..	..	·2	1	..	..	..	1	..	..
	2. *Joint Disease, &c.*	5	2	1	5	2	9	7	1	6	5	4·3	9	3	5	4	..	..	..
	ORDER 8.																		
	1. Phlegmon	3	2	4	2	2	2	3	1	3	3	2·5	2	1	1	..	1	..	..
	2. Ulcer	2	..	..	1	5	2	..	1	..	2	1·3	1	..	..	..	..	..	1
	3. *Skin Disease, &c.*	3	3	..	2	1	..	1	..	3	2	1·5	1	1	1	..	..	..	..
V.	ORDER 1.																		
	1. Premature Birth	22	14	13	25	19	18	27	18	16	29	20·1	18	18	18	..	..	..	..
	2. Cyanosis	4	1	2	2	3	2	3	..	5	3	2·5	3	3	3	..	..	..	..
	3. Spina Bifida	..	..	1	..	1	..	..	..	2	3	·7	..	..	..	..	..	..	..
	4. Other Malformations	4	5	4	1	..	4	..	..	2	2	2·2	..	..	..	..	..	..	..
	5. Teething	4	8	10	10	7	21	8	8	11	6	9·3	16	16	16	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	..	1	1	1	..	..	1	..	·4	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	4	5	6	3	2	7	4	4	8	4	4·7	4	..	..	3	1	..	..
	ORDER 3.																		
	1. Old Age	36	41	36	38	41	39	47	34	53	42	40·7	42	..	..	..	..	17	25
	ORDER 4.																		
	1. Atrophy and Debility	59	40	37	60	53	77	78	57	63	85	60·9	72	67	67	..	2	3	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	13	9	14	5	23	10	16	18	8	6	12·2	18	2	6	2	5	2	3
	2. Wounds	..	..	..	..	..	2	..	2	..	..	·4	..	..	..	..	..	..	..
	3. Burns and Scalds	5	4	3	3	7	3	3	6	8	4	4·6	5	4	4	..	..	..	1
	4. Poison	..	1	..	..	..	1	..	3	1	..	·6	..	..	..	..	..	..	..
	5. Drowning	5	8	3	5	8	6	3	2	6	5	5·1	7	..	4	1	2	..	..
	6. Suffocation	4	3	3	7	5	6	6	6	4	4	4·8	5	5	5	..	..	..	..
	7. Otherwise	1	..	3	..	3	3	..	4	4	6	2·4	4	1	2	..	2	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	1	1	2	2	..	2	3	3	2	3	1·9	4	3	3	..	1	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	..	1	..	1	..	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	2	2	1	2	..	1	1	..	1	1·1	..	..	..	..	..	..	..
	2. Poison	..	..	..	1	..	1	1	1	1	..	·5	1	..	..	..	1	..	..
	3. Drowning	..	..	2	2	1	1	..	..	2	..	·8	..	..	..	..	..	..	..
	4. Hanging	..	1	5	1	1	1	3	..	1	1	1·4	1	..	..	..	1	..	..
	5. Otherwise	..	..	1	..	..	..	1	..	1	3	·6	3	..	1	1	..	1	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	1	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	1	2	·3	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	1	2	..	4	3	..	2	1	1	1	1·5	1	..	..	..	..	1	..
	Causes not specified or ill-defined	17	5	11	5	11	2	1	3	..	17	7·2	8	1	1	3	2	2	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when ne result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture f the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 30th October, 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. P.M.	Osler's. Pressure on square foot. Greatest.	Least.	Mean of 24 Obs.	Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
October.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°						lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	24	..	30·041	55·4	36·0	19·4	45·3	40·5	80·6	28·3	48·4	46·9	4·8	9·2	0·0	— 2·9	83	W. & NNW.	N. & W.	2·2	0·0	0·2	209	0·09	2
Monday . .	25	..	30·022	50·5	35·5	15·0	42·6	40·0	61·4	29·8	48·4	47·4	2·6	9·9	0·0	— 5·3	90	WSW.	WSW.	1·6	0·0	0·1	196	0·00	0
Tuesday .	26	Greatest Dec. N.	29·751	46·7	31·5	15·2	38·5	31·0	85·7	24·2	47·4	46·4	7·5	12·1	5·2	— 9·1	75	WSW. & NW.	NNW. & WNW.	6·5	0·0	1·4	424	0·05	2
Wednesday	27	..	29·624	39·8	31·3	8·5	34·7	22·9	64·3	23·0	46·4	45·4	11·8	15·6	6·1	—12·6	61	WNW & NNW.	NNW & NW	7·4	0·0	1·1	424	0·00	1
Thursday.	28	Last Quarter	29·636	43·6	27·9	15·7	35·1	27·3	51·8	18·8	45·9	41·5	7·8	13·0	2·6	—11·9	73	W. & NW.	NNW.	8·1	0·0	1·0	432	0·00	0
Friday . .	29	..	30·043	49·3	36·1	13·2	41·3	35·2	90·7	29·9	45·4	43·4	6·1	10·1	3·2	— 5·5	79	N. & NNE.	N. & WSW.	2·6	0·0	0·5	287	0·00	0
Saturday.	30	..	29·833	49·1	36·7	12·4	42·5	40·7	58·0	30·1	44·4	43·4	1·8	5·5	0·0	— 4·1	93	WSW. & N.	NNE. & N.	1·7	0·0	0·2	268	0·07	0
Means . .		..	29·850	47·8	33·6	14·2	40·0	33·9	70·4	26·3	46·6	44·9	6·1	10·8	2·4	— 7·3	79	Variable.		..	..	..	Sum 2240	Sum 0·21	0·7
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. October.		Electricity.	Sky and Atmosphere.
Sunday .	24	The insulating lamp was not burning.	Rain fell during the early morning hours; fine afterwards, but partially cloudy till evening, then cloudless. Slight fog morning and evening.
Monday .	25		Generally overcast. Gloomy during the morning.
Tuesday .	26		Generally fine; partially cloudy. A shower of rain fell at 3h. A.M. Hoar frost at night.
Wednesday	27		Partially cloudy till night, then cloudless. A little snow fell at 3h. P.M.
Thursday .	28		The amount of cloud varied throughout the day, and fog prevailed during the morning. Snow fell thickly for a short time after noon.
Friday .	29		A fine day; partially cloudy till evening, then cloudless, but fog prevailed.
Saturday .	30		Generally overcast. Fog prevailed during the morning, and rain fell between 4h. A.M. and 8h. A.M.

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30·06 in. at the beginning of the week to 30·02 in. by 9h. A.M. on the 24th; increased to 30·11 in. by 9h. A.M. on the 25th; decreased to 29·72 in. by 9h. A.M. on the 26th; increased to 29·79 in. by 9h. P.M. on the same day; decreased to 29·60 in. by noon on the 27th; increased to 29·67 in. by 9h. P.M. on the same day; decreased to 29·62 in. by noon on the 28th; increased to 30·09 in. by 9h. P.M. on the 29th; decreased

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 44. 1869. Vol. XXX.] Week ending Saturday, November 6. [Price 1½d.

General Register Office, Somerset House,
8th November 1869.

In the week that ended on Saturday, 6th November, 4624 births, and 3468 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 28 per 1000 persons living.

The annual rate of mortality last week was 29 per 1000 in London, 24 in Edinburgh, and 20 in Dublin; 30 in Bristol, 22 in Birmingham, 26 in Liverpool, 27 in Manchester, 29 in Salford, 30 in Sheffield, 26 in Bradford, 28 in Leeds, 25 in Hull, 30 in Newcastle-upon-Tyne, and 29 in Glasgow.

The mortality from scarlet fever was again excessive last week in several other of the large towns, as well as London; the annual death-rate from the disease in the week was 5·4 per 1000 in Sheffield, 4·1 in Hull, 4·0 in London and Liverpool, 3·7 in Leeds, and 2·8 in Newcastle-upon-Tyne.

In Paris the annual rate of mortality in the week ending last Saturday (6th November) was 25 per 1000. The rate in Berlin during the seven days ending 4th instant was 25 per 1000.

In London the births of 1177 boys and 1116 girls, in all 2293 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2211.

The deaths registered in London during the week were 1772. It was the forty-fourth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1404. The deaths in the present return exceed by 368 the estimated amount, and exceed by 236 the number recorded in the preceding week.

The deaths from zymotic diseases were 511, the corrected average number being 363. Nine deaths from small-pox, 46 from measles, 241 from scarlet fever, 8 from diphtheria, 74 from whooping-cough, 11 from typhus fever, 18 from enteric fever, 12 from simple continued fever, and 29 from diarrhœa, were registered.

A horsekeeper, aged 25 years, died on 30th October at the London Fever Hospital from "relapsing fever, jaundice, collapse."

The daughter of a lighterman, aged 10 years, died on 1st November at George-row, Bermondsey, from "relapsing fever (21 days)."

Small-pox, measles, scarlet fever, and whooping-cough were more fatal than in the preceding week.

Eleven deaths from scarlet fever were registered in the West Districts, 51 in the North, 27 in the Central, 78 in the East, and 74 in the South Districts.

One hundred and ninety-one persons died from phthisis, 219 from bronchitis, and 114 from pneumonia. The corrected average number of deaths from phthisis is 168, from bronchitis 133, and from pneumonia 96. In the previous week which ended 30th October, the deaths from these diseases were 175, 150, and 102 respectively.

The deaths of 3 persons from intemperance, of 2 persons from delirium tremens, of 8 infants and one adult from syphilis, of 5 children and 2 adults from burns or scalds, of 4 persons from drowning, of 12 infants and one adult from suffocation, and of 2 persons who committed suicide were recorded.

The son of a porter, aged 6 years, died on 31st October at Stones-end, Borough-road, Southwark, from "fracture of skull, caused by a van passing over him." (*Inquest.*)

A schoolmaster, aged 49 years, died on 30th October in St. Pancras Workhouse of "exhaustion from want of food and attendance." *Post mort.* (*Inquest.*)

The wife of a solicitor, aged 31 years, died on 27th October at 18 South Bruton-mews, May-fair, of "congestion of lungs and kidneys, accelerated by want of the common necessaries of life." *Post mort.* (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·751 in. The barometrical reading decreased from 30·16 in. on Monday, 1st November, to 29·28 in. on Friday, 5th November. The mean tempe-

rature of the air in the week was 46·6°, which is 0·5° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 56·6° on Tuesday, 2d November. The lowest night temperature was 35·7° on Saturday, 6th November. The entire range of temperature in the week was, therefore, 20·9°. The mean of the highest temperatures of the water of the Thames was 45·9°; that of the lowest was 44·2°. The difference between the mean dew-point temperature and air temperature was 5·8°. The mean degree of humidity of the air was 81, complete saturation being represented by 100. Rain fell to the amount of 0·27 in. The general direction of the wind was W.S.W. and W.N.W.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 216,596 cubic metres, and at Barking 146,133 cubic metres, equivalent to about as many tons by weight.

SCARLET FEVER IN LONDON.

Two hundred and forty-one persons, chiefly children, died from scarlet fever in London last week. The deaths during the previous 13 weeks that ended on 30th October were 2347.

This disease, like all those of the zymotic class, is subject to great fluctuations, and has been for the last five weeks excessively fatal in London.

The attention of the Health Officers was directed to its prevalence, and the Registrar General has received from them, through their President, Dr. Druitt, a very able memorandum, which is printed in the following pages.

The memorandum gives minute directions for the conduct of families suffering from this disease, but unfortunately these directions can only be carried out partially by the poor.

Measures of public hygiene are beset with many impediments which can only be overcome by zealous and intelligent administrators. The law itself requires amendment.

The "soap and water" referred to, in its simplest form, is generally within the reach of the meanest; and if its use could be enforced on the crowds in the streets and in public meetings the effect could not fail to be salutary. It would check the spread of infectious maladies.

In the meantime it is important to bear in mind that all the measures for supplying good water, for removing everything unclean, for providing better dwellings, and for improving the condition of the population, tend not only to diminish the deaths by one malady, but the deaths by all forms of disease.

By the Table (p. 385) it is shown that to a population of 100,000 the mortality by scarlet fever in each of two long periods was at the rate of 94 annually; and that during 43 weeks of the present year the mortality has been at the annual rate of 152 in the same population.

During the present year all the West End Districts, except Kensington and St. James's, experienced a mortality below the average; so did all the Northern Districts, except Hackney.

Of the Central Districts, St. Luke, Holborn, East and West London, both in the City, were the greatest sufferers. St. Giles and London within the walls show the fewest deaths.

The disease has fallen with all its violence on the East Districts. In Bethnal Green the deaths on 100,000 of the population were at the annual rate of 328, Stepney 291, St. George-in-the-East 289, Poplar 258, Whitechapel 247.

The South Districts generally experienced a high rate of mortality; thus, the mortality was at the rate of 283 in St. Olave, 282 in Bermondsey, 268 in Rotherhithe. The mortality in Greenwich was at the rate of 93, Lambeth 82, Lewisham 35, which is only a little lower than the favoured district of St. George Hanover Square, in the West.

Even the partial application of sanitary measures reduces the mortality from this disease which robs so many parents of their children. And the Medical Officers of Health are doing good service, that bears fruits where it is really efficient; so what is now required is such an arrangement as will enable the best men in the profession to devote all their energies, with administrative help, to mitigate epidemic visitations, and to raise the standard of health in London to the highest pitch.

Memorandum by the Medical Officers of Health of the Metropolis on the Measures necessary for arresting the spread of Scarlet Fever.

The Registrar General, in his Weekly Return for Sept. 25, 1869, whilst enumerating the deaths from Scarlet Fever, says that "the Medical Officers of Health will no doubt endeavour to suggest some practical means of preventing its further extension."

The Association of Medical Officers of Health, beg, in reply, to forward to the Registrar General the following memorandum :—

It is quite possible to check Scarlet Fever, if adequate means be taken to destroy the emanations of the sick, so that they shall not infect the healthy. For this purpose the sick must be separated, either by putting them into rooms apart, or by sending them out to a Sick House, or, which is better, by removing the healthy to another house. The infecting matter of the disease resides in the excretions of the mouth, throat, and lungs, of the bowels and kidneys, of the skin, and of the suppurating surfaces common towards the close of the disease. Disinfection should be applied assiduously to the mouth, nose, and throat, as each case may require, by gargling, swabbing, or syringing with a teaspoonful of Condy's Fluid to a pint of water ; the excreta of the bowels and kidneys should be well dosed with strong carbolic acid before they leave the bedside ; the air of the sick room should be occasionally freshened by dispersing Condy's Fluid (diluted as above) by means of a vaporizer; and the doorway should be hung with a sheet well sprinkled with carbolic acid, so that there may be no mixing of tainted air with that of the body of the house. It can do no harm to oil the skin during the height of the fever, but what is of real consequence is the persevering use of warm soapy baths so soon as the patient can take them, and through the convalescence till the skin has done peeling and the throat and nose are healed. All handkerchiefs, towels, and linen before leaving the room should be steeped in boiling water containing a teaspoonful of solution of chloride of soda, or of Condy's liquid, to a pint; and when the disease is over, the bedding and clothing of the patient and his attendants, all floors, walls, and ceilings, and the surface of all furniture on which infectious matters may have settled should be scraped, or cleaned with a disinfectant, and fumigated. Moreover disinfecting fluids (as carbolic acid) should be poured freely after the slops from the sick room into the closets, sinks, drains, and sewers, and into every place around the house where decaying organic matter can be harboured.

The persons attending on the sick should wear glazed or smooth dresses by preference ; they should often wash their hands, especially before eating, and should mix as little as possible with the family.

For fumigating infected rooms and their contents nothing is better than sulphur. A quarter of a pound of brimstone, broken into small pieces, should be put into an iron dish (or the lid of an iron saucepan turned upside down), supported by a pair of tongs over a bucket of water. The chimney and other openings are then closed with paper pasted on, and a shovelful of live coals is put upon the brimstone. The door is then quickly shut, the crevices covered with paper and paste, and the room kept closed for five or six hours. After this, a thorough cleansing should be effected ; everything washable should be washed, and all other things be cleansed by proper means.

Fumigation of clothes, &c. may be easily carried out on a small scale by burning a sufficient quantity of brimstone matches.

Provided there be no unsuspected drain, sewer, gulley, watercloset, pipe, or cistern, or other source whence the inmates receive fresh infection, scarlet fever can be and is daily arrested in private houses by the above means carried out in detail; but only by persons having space, wealth, intelligence, and the wish to save life. It is far otherwise in the crowded houses of the poor, where the healthy are mixed with the sick and even with the dead.

Public hygienic measures are then necessary, and the following are the measures which the Medical Officers of Health recommend.

Measures of Public Hygiene, and the present Impediments to their Adoption.

1. Information should be diffused through *every family* by printed bills as to the contagiousness of scarlet fever, and the mode of preventing it. Expense has hitherto prevented the adoption of this measure.

2. Every case of scarlet fever, and especially every first case, should be immediately reported to the sanitary authority. At present this is not done. There is no provision by which cases of infectious disease, even in poor law and public practice, shall be made known to the Medical Officers of Health. In some districts, by an act of courtesy, information is forwarded at more or less prolonged intervals, and so, usually, at a late period of the illness. It is only when death occurs that the Health Officers with certainty hear of the occurrence, and by that time (often a week or ten days after death) the contagion may have spread more or less extensively. They never hear officially of private cases ; it is held to be the interest of all parties to conceal their occurrence. Without early and ample information, it is impossible to put in force the provisions of the Sanitary Act directing the disinfection of houses, &c., and forbidding the exposure of disinfected persons and articles.

3. Every case so reported should be immediately visited by the Medical Officer of Health or his skilled assistant, who should see that all proper precautions are in operation. But even with full

and early information, adequate precautions could only be superintended by the devotion of all the time of the Health Officer to public work, for which the sanitary authorities have made no provision, and by the aid of a staff of assistants such as was given to few of them even during the cholera epidemic.

4. The streets and courts, and the yards of infected houses, should be watered with a disinfectant solution, such as of carbolic acid. Such a proposal could not be made to a metropolitan vestry with any chance of compliance. The expense and the dread of panic would be obstacles. This proceeding has hitherto, therefore, been limited to severely infected streets and courts.

5. Public day and Sunday schools in an infected district should be authoritatively closed. The out-patient rooms of hospitals and dispensaries are even more dangerous than schools. *It should be a punishable offence to send a child to any day school, public or private, from a house or family in which fever exists.* There is, however, no power or authority for this.

6. Sufficient hospital accommodation should be provided for the poor, with arrangements at each hospital for the disinfection of the person and clothing of the patient on his discharge. No sufficient hospital accommodation as yet exists.

7. Where it appears to the Medical Officer of Health necessary that the sick person should be removed he should be able to enforce the removal, certainly in any case where the sick is under no medical care, or is being treated at the public expense. Very limited powers of this kind are at present conferred by the 26th section of the Sanitary Act, 1866, and these are only applicable after considerable dangerous delay. This section is practically useless.

8. An appropriate carriage should be provided in every district for the conveyance of the sick to the hospital. At present public cabs are still largely used because few local authorities in London have provided appropriate carriages, as they are empowered to do by the 24th section of the Sanitary Act, and sometimes because the sick refuse to use them.

9. The Sanitary Act (sections 24 and 38), as it relates to the use and disinfection of public carriages for the conveyance of persons with infectious diseases should be enforced; this is not done.

10. There should be in every district one or more proper mortuary houses for the reception of the dead of any class of society, and removal thereto should be capable of being enforced where necessary. There are many of the districts of the Metropolis in which the local sanitary authorities have not yet provided the mortuary house, which they are empowered to provide by the 27th section of the Sanitary Act; even where it has been provided the limitations imposed by that section render the statute practically valueless. In all cases a packet of Macdougal's or of Calvert's disinfecting powder should be strewed over the body before the coffin-lid is screwed down, which should be done as quickly as possible.

11. The sanitary authorities should provide such a staff of assistants or labourers, and such appliances as may be necessary to carry out the disinfection of houses, clothing, bedding, &c., where people are too poor or ignorant to be trusted with the work, and also proper means of destroying certain things by fire. The 23d section of the Sanitary Act, empowering local authorities to provide means of disinfection, has, it is believed, up to the present moment been entirely ignored in the Metropolis, not even a "proper place" having been provided where disinfection may be carried out. Houses are often now very inefficiently disinfected for the lack of a proper staff of persons to carry out the work.

12. There should be arrangements by which articles of clothing, bedding, &c. destroyed by order of the Medical Officers of Health may either be replaced or paid for. At times when the "Diseases Prevention Act" is not in operation by order of the Privy Council no such arrangement can be made.

13. During the disinfection of a house or apartment, or when the sick person cannot be removed, it is necessary to remove the healthy; for this there should be one or more houses of refuge provided, in which poor families may be temporarily lodged, and with means of disinfecting the persons and clothing of those removed. A house of refuge is a thing at the present time utterly unknown to the sanitary arrangements of the Metropolis.

14. The "Diseases Prevention Act" should be put into operation by order of the Privy Council on any severe outbreak of scarlet fever in London, or at times when from season or cyclical period, it is probable that the disease will spread extensively. Practically, this otherwise invaluable Act is a dead letter, except on certain occasions when an unusual disease prevails in the country such as an epidemic of cholera.

15. The services of public nurses to superintend the administration of nourishment and medicine, and the disinfection of discharges would be invaluable. One bad case of scarlet fever furnishes quite occupation enough for one woman.

16. The Medical Officers of Health desire to put in force the lodging-house clauses of the Sanitary Act, 1866, sect. 35, which, by restricting the number of inmates and by enforcing periodic cleansing of the homes of the poor, might in some degree limit zymotic disease.

LONDON.—Deaths and Rate of Mortality from SCARLET FEVER in the 10 Years 1851–60; in the 8 Years 1861–68; and in the 43 Weeks ending October 30th, 1869.

DISTRICTS.	Area in Statute Acres.	Population, 1861.	Deaths registered from Scarlet Fever.†			Deaths annually from Scarlet Fever † to 100,000 Persons living.		
			10 Years, 1851–60.	8 Years, 1861–68.	43 Weeks ending Oct. 30th 1869.	10 Years, 1851–60.	8 Years, 1861–68.	43 Weeks ending Oct. 30th 1869.
LONDON . . .	**77,997**	**2,803,989**	**24,300**	**22,515**	**3,995**	**94**	**94**	**152**
WEST DISTRICTS.								
1. Kensington HHH . . .	7,342	185,950	1,057	1,408	208	69	79	95
2. Chelsea HH*w*	865	63,439	593	571	25	99	107	43
3. St. George Hanover-Sq. H .	1,161	87,771	526	504	35	65	67	42
4. Westminster H . . .	917	68,213	718	522	45	107	94	77
5. St. Martin-in-the-Fields* H .	305	22,689	147	139	10	62	79	57
6. St. James Westminster* . .	164	35,326	217	206	28	61	74	98
NORTH DISTRICTS.								
7. Marylebone H . . .	1,509	161,680	1,340	993	127	84	76	93
8. Hampstead	2,252	19,106	125	83	23	80	45	100
9. Pancras HH*w*	2,716	198,788	1,761	1,692	166	96	99	88
10. Islington HH*w* . . .	3,127	155,341	1,307	1,666	246	104	110	130
11. Hackney HL*w*	3,929	83,295	559	592	176	79	77	192
CENTRAL DISTRICTS.								
12. St. Giles	245	54,076	448	409	35	83	95	78
13. Strand* H	172	42,979	386	281	39	88	83	113
14. Holborn* H	196	44,862	486	458	65	106	130	181
15. Clerkenwell*	380	65,681	589	625	85	90	118	155
16. St. Luke* HL	220	57,073	633	478	129	114	103	262
17. East London	153	40,687	424	320	66	100	102	210
18. West London H . . .	138	27,145	385	266	50	138	126	234
19. London City	434	45,555	313	206	34	62	61	106
EAST DISTRICTS.								
20. Shoreditch L*w* . . .	646	129,364	1,268	1,074	265	106	97	216
21. Bethnal Green HL . .	760	105,101	962	994	322	99	111	328
22. Whitechapel H . . .	406	78,970	716	673	160	90	107	247
23. St. George-in-the-East . .	243	48,891	581	343	118	119	87	289
24*a*. Stepney	576	56,572	1,380	498	141	115	108	291
24*b*. Mile End Old Town *w* .	681	73,064		725	152		112	205
25. Poplar L*ww*	2,918	79,196	695	617	256	110	79	258
SOUTH DISTRICTS.								
26. St. Saviour H	250	36,170	388	258	34	108	89	113
27. St. Olave H	169	19,056	235	152	44	122	100	283
28. Bermondsey	688	58,355	669	533	159	126	106	282
29. St. George Southwark L .	282	55,510	522	459	92	97	101	190
30. Newington	624	82,220	711	663	134	97	92	163
31. Lambeth	4,015	162,044	1,538	1,430	124	102	104	82
32. Wandsworth L*w* . . .	11,695	70,403	466	484	92	77	75	122
33. Camberwell LL . . .	4,342	71,488	524	572	88	83	90	120
34. Rotherhithe	886	24,502	221	173	70	104	78	268
35. Greenwich* HHH . . .	5,367	127,670	1,025	969	120	90	86	93
36. Lewisham* H	17,224	65,757	385	479	32	77	71	35

Note.—The Letters H, L, and *w*, placed against the names of the Districts indicate that a Hospital, Lunatic Asylum, or a Workhouse *belonging to another District*, is situated therein.

* Changes have lately been made in the constitution of these Districts, but for comparative purposes those changes have been disregarded in this Table, which therefore exhibits the facts for each District as it was constituted before any such changes were made.

† It must be borne in mind that prior to 1859 diphtheria and cynanche maligna were included with scarlet fever in the Returns.

LONDON.—Births and Deaths Registered last Week, and in the Forty-fourth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1888	1868	1836	1883	1835	2017	2055	2276	2095	2342	2009·5	2293
Males . .	980	956	947	920	962	1019	1067	1135	1041	1180	1020·7	1177
Females .	908	912	889	963	873	998	988	1141	1054	1162	988·8	1116
Total Deaths	1182	1049	1078	1184	1252	1454	1413	1432	1196	1521	1276·1	1772
Males . .	595	539	569	590	659	757	733	743	597	777	655·9	890
Females .	587	510	509	594	593	697	680	689	599	744	620·2	882

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Aug. 14.	Aug. 21.	Aug. 28.	Sept. 4.	Sept. 11.	Sept. 18.	Sept. 25.	Oct. 2.	Oct. 9.	Oct. 16.	Oct. 23.	Oct. 30.	Nov. 6.
Deaths - - -	1591	1527	1463	1391	1601	1409	1362	1395	1367	1305	1476	1536	1772
Deaths under 5 years of age -	920	810	767	740	854	716	682	690	661	681	736	719	848
Deaths under 20 years of age	1039	916	892	886	986	861	824	848	797	801	903	870	997
Deaths 20—40 - - -	166	184	153	162	183	159	148	175	189	163	182	192	226
Deaths 40—60 - - -	187	201	177	153	198	197	198	178	199	177	178	240	223
Deaths at 60 years of age and upwards - - -	199	226	241	190	234	192	192	194	182	164	213	234	326
Deaths from Small-pox -	5	5	5	5	5	6	8	6	4	8	3	2	9
„ „ Measles - -	31	21	20	19	38	21	22	20	22	27	27	29	46
„ „ Scarlet Fever -	114	132	143	170	179	178	191	238	216	224	233	229	241
„ „ Diphtheria -	6	5	6	7	8	13	9	6	9	14	11	11	8
„ „ Whooping-cough	68	60	87	75	70	64	49	51	51	60	67	45	74
„ „ Typhus fever -	10	13	10	9	12	6	9	8	9	7	9	8	11
„ „ Enteric fever -	12	17	18	25	22	21	23	22	14	16	23	30	18
„ „ SimpleContdfever	3	5	13	12	18	12	13	12	10	13	6	6	12
„ „ Diarrhœa - -	346	264	195	161	185	139	115	76	57	51	45	34	29
„ „ Phthisis - -	162	172	130	143	168	133	140	141	155	141	150	175	191
„ „ Bronchitis - -	50	54	53	50	79	63	62	64	74	72	101	150	219
„ „ Pneumonia -	48	55	36	53	54	45	54	50	54	56	70	102	114
„ „ Heart Disease -	59	49	53	43	48	46	55	55	59	55	57	60	66
Mean Temperature of the Air	58°·5	58°·7	68°·4	56°·1	63°·5	58°·1	56°·8	58°·8	56°·7	54°·5	42°·7	40°·0	46°·6
Mean Temperature of the Water of the Thames -	61·8	60·5	63·1	62·4	60·4	58·1	55·9	57·1	57·0	57·4	50·0	45·7	45·0
Humidity of the Air - -	77	74	69	66	75	82	78	81	86	85	84	79	81
Rain-fall in inches - -	0·73	0·01	0·00	0·00	0·69	1·85	0·12	0·81	0·02	0·25	0·90	0·21	0·27

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 6th day of November 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 6th Nov.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 6th Nov.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4624**	**3244**	**3468**	**57·8**	**32·0**	**46·9**	**0·74**	**75**	**14·38**	**0·00**	**8·28**	**188**
London (Metropolis)	3,170,754	40·7	2070	2293	1462	1772	56·6	35·7	46·6	0·27	27	13·67	2·06	8·12	69
Bristol (City)	169,423	36·1	109	125	76	97 *	57·8	38·1	48·9	0·11	11	14·34	3·39	9·39	28
Birmingham (Borough)	360,846	46·1	283	220	175	150	56·2	40·3	47·9	0·48	48	13·44	4·61	8·83	122
Liverpool (Borough)	509,052	99·7	345	363	295	252	53·5	38·9	46·8	0·95	96	11·95	3·83	8·23	241
Manchester (City)	370,892	82·7	277	261	210	192 *	54·0	35·0	46·8	1·56	158	12·22	1·67	8·23	396
Salford (Borough)	119,350	23·1	89	87	60	66	54·5	38·2	47·1	1·61	163	12·50	3·44	8·39	409
Sheffield (Borough)	239,752	10·5	196	208	126	136	56·0	38·0	47·3	0·73	74	13·33	3·33	8·50	185
Bradford (Borough)	138,522	21·0	105	99	71	68	54·3	37·1	47·2	0·43	43	12·39	2·84	8·44	109
Leeds (Borough)	253,110	11·7	189	159	129	138	56·0	38·0	47·9	0·38	38	13·33	3·33	8·83	97
Hull (Borough)	126,682	35·6	83	85	59	60	56·0	35·0	43·8	0·56	57	13·33	1·67	6·56	142
Newcastle-on-Tyne (Borough)	130,503	24·5	90	104	69	75	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	134	86	82	55·7	32·0	45·8	0·50	51	13·17	0·00	7·67	127
Glasgow (City)	458,937	90·6	374	338	268	258	54·8	33·8	45·2	1·47	148	12·67	1·01	7·33	374
Dublin (City and some suburbs)	320,762	32·9	219	148	158	122	55·5	35·5	47·8	0·60	61	13·06	1·95	8·78	152
Paris (City)	1,889,842	..	..	..	..	921	..	..	..	..	..	..	..	..	..
				Week ending 30 Oct. 1869.		Week ending 30 Oct. 1869.	Week ending 30th October 1869.					Week ending 30th October 1869.			
Vienna (City)	605,200	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(1867)			Week ending 4 Nov. 1869.		Week ending 4 Nov. 1869.	Week ending 4th November 1869.					Week ending 4th November 1869.			
Berlin (City)	702,437	..	..	572	..	340	..	..	42·1	..	..	..	..	5·63	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol: D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 6th November, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2293	1772	9	46	241	8	74	41	29
WEST DISTRICTS -	323	227	-	3	11	-	6	5	5
NORTH DISTRICTS -	538	374	2	10	51	2	21	9	7
CENTRAL DISTRICTS -	216	204	-	2	27	-	10	3	-
EAST DISTRICTS -	528	453	4	17	78	4	17	9	10
SOUTH DISTRICTS -	688	514	3	14	74	2	20	15	7
WEST DISTRICTS.									
St. Mary Paddington *WH*	34	21	-	1	2	-	-	-	1
St. John Paddington H	10	4	-	-	1	-	-	-	-
Kensington Town *W* -	53	25	-	-	-	-	1	1	2
Brompton H - -	17	14	-	-	1	-	-	-	-
St. Peter Hammersmith	7	3	-	-	-	-	-	-	-
St. Paul Hammersmith	20	18	-	-	2	-	-	-	-
Fulham *W* - - -	7	7	-	-	-	-	-	-	1
Chelsea South H - -	22	12	-	-	-	-	1	-	-
ChelseaNorth-west H*Ww*	22	20	-	-	1	-	-	1	1
Chelsea North-east -	12	5	-	-	-	-	-	-	-
Hanover Square - -	6	1	-	-	-	-	-	-	-
May Fair *W* - -	5	3	-	-	-	-	-	-	-
Belgrave H - - -	29	26	-	1	-	-	-	-	-
St. John Westminster -	24	19	-	-	-	-	3	2	-
St. Margaret West. *WH*	21	15	-	-	1	-	-	-	-
St. James's Square -	4	4	-	-	-	-	-	1	-
Golden Square *W* -	10	13	-	-	-	-	1	-	-
Berwick-street - -	7	8	-	-	3	-	-	-	-
St. Anne Soho - -	13	9	-	1	-	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	15	18	-	-	3	-	1	-	-
Cavendish Square - -	6	2	-	-	1	-	-	-	-
Rectory Marylebone *W*	23	29	-	-	4	-	2	1	1
St. Mary Marylebone -	21	10	-	-	-	1	-	-	-
Christchurch Marylebone	18	14	-	-	2	-	3	1	1
St. John Marylebone -	14	12	-	-	2	-	-	-	-
Hampstead *W* - -	16	3	-	1	-	-	1	-	1
Regent's Park Pancras -	31	8	-	1	2	-	-	-	-
Tottenham-court *w*H -	16	22	-	-	2	-	-	-	-
Gray's Inn Lane H -	17	19	-	-	3	-	-	-	-
Somers Town - -	29	16	-	-	3	-	-	-	-
Camden Town *W* -	23	18	-	-	-	-	1	-	-
Kentish Town - -	42	27	-	1	4	-	2	-	-
Islington West* *WHH*	85	58	2	2	11	-	3	3	1
Islington East *Ww* -	81	58	-	2	5	-	7	1	1
Stoke Newington - -	3	4	-	-	-	-	1	-	-
Stamford Hill - -	4	3	-	-	1	-	-	-	-
West Hackney - -	28	12	-	-	-	1	-	1	-
Hackney *WHw* - -	37	35	-	2	7	-	-	2	1
South Hackney L -	29	6	-	1	1	-	-	-	1
CENTRAL DISTRICTS.									
St. George Bloomsbury -	7	13	-	-	1	-	1	-	-
St. Giles South *W* -	14	10	-	-	-	-	-	-	-
St. Giles North - -	8	8	-	-	1	-	-	-	-
Long Acre - - -	7	5	-	-	-	-	-	-	-
Charing Cross *WH* -	2	11	-	-	-	-	-	-	-
St. Mary-le-Strand -	3	6	-	-	1	-	1	-	-
St. Clement Danes H -	6	15	-	-	1	-	1	-	-
St.George-the-Martyr H	11	12	-	-	2	-	-	-	-
St. Andrew, East Holb. *W*	9	9	-	-	2	-	-	-	-
Saffron Hill - - -	10	4	-	-	2	-	-	-	-
St. James Clerkenwell *W*	15	15	-	-	1	-	-	1	-
Amwell Clerkenwell -	15	4	-	-	1	-	-	-	-
Pentonville - - -	8	2	-	1	-	-	-	-	-
Goswell-street - -	12	9	-	-	3	-	-	-	-
Old-street - - -	9	5	-	-	1	-	2	-	-
City-road HL - -	22	12	-	-	2	-	-	-	-
Whitecross-street -	14	11	-	-	3	-	3	-	-
Finsbury - - -	9	4	-	-	1	-	-	-	-
St. Botolph East London	5	8	-	1	-	-	1	1	-
Cripplegate - - -	7	8	-	-	1	-	-	-	-
West London North *WH*	8	16	-	-	1	-	1	-	-
West London South -	8	4	-	-	1	-	-	-	-
London City South-west	-	2	-	-	-	-	-	1	-
London City North-west	3	3	-	-	-	-	-	-	-
London City South -	1	2	-	-	-	-	-	-	-
London City South-east	1	2	-	-	-	-	-	-	-
London City North-east	2	4	-	-	2	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.
EAST DISTRICTS.								
Holywell Shoreditch -	14	10	-	-	3	-	-	-
St. Leonard Shrdtch. L†	10	10	-	-	1	1	-	-
Hoxton New Town *w* -	17	20	-	1	2	-	2	-
Hoxton Old Town - -	20	19	-	-	2	1	-	-
Haggerstone West *W* -	10	25	-	-	5	-	1	3
Haggerstone East - -	16	11	-	-	1	-	1	1
Hackney-road - -	27	23	-	1	10	-	2	1
Green, Bthnl. Grn. *WHL*†	31	25	-	3	8	-	-	1
Church, Bethnal Green -	24	15	-	1	2	1	1	-
Town, Bethnal Green -	18	11	-	-	2	-	1	-
Artillery Whitechapel -	3	4	-	-	-	-	2	-
Spitalfields - - -	9	7	-	1	1	-	-	-
Mile End New Town *W*	10	16	-	-	2	-	-	1
Whitechapel North -	9	5	-	-	2	-	-	-
Whitechapel Church H	4	13	-	-	1	-	-	-
Goodman's Fields - -	5	4	-	-	1	-	1	-
Aldgate - - - -	4	6	-	-	1	-	1	-
St. Mary St. Geo. East -	21	6	-	-	3	-	-	-
St. Paul St. Geo. East -	21	13	-	-	1	-	-	-
St. John St. Geo. East *W*	7	9	-	-	1	-	-	-
Shadwell *W* - - -	7	10	-	-	-	1	-	-
Ratcliff *W* - - -	8	8	-	-	-	-	-	-
Limehouse *W* - -	34	21	3	2	2	-	-	-
Mile End Old Town, West	46	30	-	-	5	-	1	-
Mile End Old T., East *Ww*	56	43	1	7	4	-	3	-
Bow *ww*L† - - -	60	50	-	1	6	-	1	1
Poplar *W* - - -	37	39	-	-	12	-	-	1
SOUTH DISTRICTS.								
Christchurch Sthwark. *W*	6	12	-	-	2	-	-	-
St. Saviour Southwark H	9	12	-	1	1	-	1	-
St. Olave Southwark H	5	11	-	-	-	-	-	-
St. John Horsleydown *W*	10	6	-	-	-	-	-	-
St. James Bermondsey -	48	26	-	1	7	-	1	1
St. Mary Magdalen *W* -	9	17	-	1	4	-	-	-
Leather Market - -	9	12	-	1	2	-	-	1
Kent-road - -	25	13	-	-	2	-	-	-
Borough-road *W* - -	14	14	-	1	2	-	-	1
London-road L - -	15	9	-	-	1	-	1	-
Trinity Newington -	16	15	-	-	6	-	1	1
St. Peter Walworth *W*	46	40	2	-	6	1	1	-
St. Mary Newington H	8	8	-	-	2	-	-	-
Waterloo-road 1st -	9	5	-	-	-	-	1	-
Waterloo-road 2nd -	24	13	-	1	1	-	1	1
Lambeth Church 1st -	11	8	-	-	-	-	-	-
Lambeth Church 2nd *W*	37	21	-	-	-	-	1	1
Kennington 1st - -	27	13	-	-	1	-	1	1
Kennington 2nd - -	20	7	-	-	1	-	-	-
Brixton - - - -	27	12	-	-	-	-	-	-
Norwood *W* - - -	10	3	-	-	-	-	-	-
Clapham - - -	14	10	-	-	1	-	1	-
Battersea *Ww* - -	45	24	-	1	1	-	4	1
Wandsworth L - -	10	6	-	-	2	-	-	1
Putney - - - -	4	4	-	-	1	-	-	-
Streatham - - -	6	6	-	-	-	-	-	-
Dulwich - - -	2	-	-	-	-	-	-	-
Camberwell *WL*†L† -	20	27	-	-	4	-	2	2
Peckham - - -	21	23	1	4	6	-	-	-
St. George Camberwell -	21	14	-	-	3	1	2	-
Rotherhithe *W* - -	20	12	-	-	5	-	-	1
St. Paul Deptford - -	36	22	-	-	8	-	-	1
St. Nicholas Deptford -	4	4	-	-	2	-	-	-
Greenwich West H -	9	12	-	-	-	-	-	-
Greenwich East *WH* -	16	13	-	-	-	-	-	1
Eltham - - - -	2	1	-	-	-	-	-	-
Lee - - - -	9	3	-	-	-	-	-	-
Lewisham Village *W* -	7	4	-	-	1	-	1	-
Sydenham - - -	19	5	-	-	-	-	-	-
Charlton H - - -	2	5	-	-	1	-	-	1
Woolwich Dockyard H	13	13	-	1	1	-	-	-
Woolwich Arsenal H -	7	12	-	-	-	-	-	-
Plumstead, West - -	7	8	-	2	-	-	1	-
Plumstead, East - -	9	9	-	-	-	-	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - „ „ Tottenham-court sub-district.
West London - - „ „ Islington East.
East London - - „ „ Hackney sub-district.
St. Luke Middlesex - „ „ Hoxton New Town sub-district.
London City - - „ „ Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - „ „ Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

Deaths in London, from All Causes, Registered in the Forty-fourth Week of each of the following Years.

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 5 1859	Nov 3 1860	Nov 2 1861	Nov 1 1862	Oct. 31 1863	Nov 5 1864	Nov 4 1865	Nov 3 1866	Nov 2 1867	Oct. 31 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 6, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	47°·6	48°·7	45°·5	46°·8	45°·7	42°·4	42°·5	49°·2	48°·5	46°·8	46°·4	Mean Temp. 46°·6						
	ALL CAUSES . . .	1182	1049	1078	1184	1252	1454	1413	1432	1196	1521	1276·1	1772	848	997	226	223	282	44
	SPECIFIED CAUSES .	1173	1037	1067	1173	1250	1443	1403	1426	1191	1508	1267·1	1770	846	995	226	223	282	44
	(Classes.)																		
I.	ZYMOTIC DISEASES .	301	241	292	374	341	418	365	347	282	340	330·1	511	350	446	41	12	10	2
II.	CONSTITUTIONAL „ .	251	214	219	207	265	254	271	249	225	278	243·3	303	81	102	97	75	27	2
III.	LOCAL „ .	461	436	385	432	490	583	553	629	478	674	512·1	757	307	334	76	127	203	17
IV.	DEVELOPMENTAL „ .	122	102	126	136	111	142	171	164	151	175	140·0	156	90	90	7	1	37	21
V.	VIOLENT DEATHS . .	38	44	45	24	43	46	43	37	55	41	41·6	43	18	23	5	8	5	2
	(Orders.)																		
I.	1. Miasmatic Diseases . .	279	224	269	352	311	391	322	324	243	314	302·9	481	330	426	37	9	7	2
	2. Enthetic „ . .	5	4	8	5	8	7	16	6	11	11	8·1	10	8	8	..	..	2	..
	3. Dietic „ . .	17	13	12	15	18	18	21	16	26	11	16·7	15	7	7	4	3	1	..
	4. Parasitic „ . .	..	..	3	2	4	2	6	1	2	4	2·4	5	5	5	..	..	..	..
II.	1. Diathetic „ . .	44	39	37	28	35	43	47	48	37	43	40·1	42	3	3	3	19	15	2
	2. Tubercular „ . .	207	175	182	179	230	211	224	201	188	235	203·2	261	78	99	94	56	12	..
III.	1. Diseases of Nervous System . .	131	122	99	107	125	145	145	162	121	162	131·9	187	81	90	18	29	46	4
	2. „ of Organs of Circulation .	71	44	51	46	53	58	63	69	50	77	58·2	74	2	7	14	22	28	3
	3. „ of Respiratory Organs . .	191	209	169	183	229	293	233	302	231	313	235·3	378	208	215	13	48	92	10
	4. „ of Digestive Organs . . .	48	31	42	62	50	61	68	61	46	64	53·3	70	13	15	13	17	25	..
	5. „ of Urinary Organs . . .	12	19	13	20	14	20	29	21	20	31	19·9	34	2	5	13	8	8	..
	6. „ of Organs of Generation .	3	2	6	5	3	2	8	4	6	9	4·8	6	..	..	3	2	1	..
	7. „ of Organs of Locomotion .	..	5	3	5	11	2	3	7	1	7	4·4	4	..	1	1	1	1	..
	8. „ of Integumentary System .	5	4	2	4	5	2	4	3	3	11	4·3	4	1	1	1	..	2	..
IV.	1. Dev. Diseases of Children	35	29	40	30	32	33	36	43	32	32	34·2	34	34	34	..	..	..	..
	2. „ of Adults .	6	2	1	6	7	8	7	7	8	8	6·0	7	..	..	7	..	..	..
	3. „ of Old People	33	30	38	40	28	44	53	37	46	54	40·3	47	..	..	..	..	26	21
	4. Diseases of Nutrition .	48	41	47	60	44	57	75	77	65	81	59·5	68	56	56	..	1	11	..
V.	1 Accident or Negligence .	35	39	32	21	35	41	40	29	42	36	35·0	38	16	21	4	7	5	1
*	3. Homicide	2	3	5	..	1	..	..	1	3	1	1·6	3	2	2	..	..	..	1
	4. Suicide	1	2	8	3	7	5	3	7	7	2	4·5	2	..	..	1	1	..	..
	5. Execution	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	Violent Deaths not classed	..	..	..	..	..	..	..	..	2	2	·4	..	..	..	..	..	..	..
	Sudden Deaths, cause unascertained	2	3	3	2	1	1	6	4	..	2	2·4	..	..	..	..	..	..	..
	Causes not specified . .	7	9	8	9	1	10	4	2	5	11	6·6	2	2	2	..	..	..	..

* Order 2., comprising Violent Deaths in Battle, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 5 1859	Nov 3 1860	Nov 2 1861	Nov 1 1862	Oct. 31 1863	Nov 5 1864	Nov 4 1865	Nov 3 1866	Nov 2 1867	Oct. 31 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 6, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and
	Mean Temperature	47°·6	48°·7	45°·5	46°·8	45°·7	42°·4	42°·5	49°·2	48°·5	46°·8	46°·4	Mean Temp. 46°·6						
I.	ORDER 1.																		
	1. Small-pox	32	3	3	5	19	9	10	25	12	6	12·4	9	4	7	1	..	1	..
	2. Measles	28	44	7	68	16	57	24	29	32	31	33·6	46	45	46	..	..	..	..
	3. Scarlet Fever (Scarlatina)	89	47	94	94	120	110	59	45	54	109	82·1	241	160	232	9	..	..	..
	4. Diphtheria	8	13	18	13	5	10	6	9	10	11	10·3	8	6	8	..	..	..	..
	5. Quinsy	1	1	1	2	2	4	..	2	..	..	1·3	..	..	..	..	..	..	..
	6. Croup	6	10	16	17	13	28	10	14	11	16	14·1	10	10	10	..	..	..	..
	7. Whooping-cough	25	34	35	29	23	24	44	39	30	34	31·7	74	73	74	..	..	..	..
	8. Typhus	36	24	47	58	62	100	77	41	51	50	54·6	11	1	7	2	1	1	..
	— Enteric Fever												18	3	7	9	2	..	..
	*— Simple continued Fever												12	4	7	4	1	..	..
	9. Erysipelas	6	4	7	6	7	11	5	6	8	8	6·8	10	3	3	3	1	2	..
	10. Puerperal Fever (Metria)	3	3	6	4	3	1	7	3	3	3	3·6	7	..	1	5	1	..	..
	11. Carbuncle	..	1	1	3	..	2	1	..	..	2	1·0	1	..	..	..	..	1	..
	12. Influenza	1	2	1	..	..	1	2	..	1	3	1·1	..	..	..	..	..	..	..
	13. Dysentery	7	1	4	2	2	2	1	2	3	1	2·5	2	..	1	..	..	..	..
	14. Diarrhœa	28	21	25	34	19	18	61	28	23	20	27·7	29	21	22	2	3	2	..
	15. Simple Cholera	1	1	..	..	..	1	2	73	..	2	8·0	..	..	..	..	..	..	..
	16. Ague	1	3	..	1	..	..	..	..	..	..	·5	..	..	..	..	..	..	..
	17. Remittent Fever	2	1	..	5	1	2	2	..	..	..	1·3	..	..	..	..	..	..	..
	18. Rheumatism	5	11	4	11	19	11	11	8	5	18	10·3	3	..	1	2	..	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	5	4	6	4	7	6	15	6	10	11	7·4	9	8	8	..	..	1	..
	2. Stricture of Urethra	..	..	2	1	1	1	1	..	1	..	·7	1	..	..	..	..	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	..	..	..	3	..	..	..	..	..	·4	2	..	..	1	1	..	..
	2. Want of Breast-milk	11	11	7	12	9	13	11	10	19	8	11·1	7	7	7	..	..	..	..
	3. Purpura and Scurvy	1	1	2	..	2	2	1	2	1	2	1·4	1	..	..	..	1	..	..
	4. Alcoholism (*a* Del. Tremens)	1	..	2	2	1	2	4	2	4	1	1·9	2	..	..	2	..	..	..
	(*b* Intemperance)	3	1	1	1	3	1	5	2	2	..	1·9	3	..	..	1	1	1	..
	ORDER 4.																		
	1. Thrush	..	..	3	1	4	2	5	1	2	4	2·2	5	5	5	..	..	..	..
	2. Worms, &c.	..	..	..	1	..	..	1	..	..	..	·2	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	1	..	..	2	..	1	1	..	1	1	·7	2	..	..	1	1	..	..
	2. Dropsy	16	16	10	12	13	10	23	15	10	8	13·3	7	3	3	1	2	1	..
	3. Cancer	25	20	24	14	19	25	17	30	23	32	22·9	31	..	..	1	16	12	..
	4. Cancrum Oris (Noma)	..	..	..	..	..	..	1	..	..	1	·2	..	..	..	..	..	..	..
	5. Mortification	2	3	3	..	3	7	5	3	3	1	3·0	2	..	..	..	..	2	..
	ORDER 2.																		
	1. Scrofula	9	7	11	11	12	11	6	6	5	8	8·6	4	4	4	..	..	..	..
	2. Tabes Mesenterica	14	17	23	21	23	13	24	12	18	23	18·8	30	27	29	1	..	..	..
	3. Phthisis	158	132	124	119	161	164	177	157	143	191	152·6	191	14	30	93	56	12	..
	4. Hydrocephalus	26	19	24	28	34	23	17	26	22	13	23·2	36	33	36	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	9	7	7	8	6	13	7	13	7	16	9·3	22	11	16	2	2	2	..
	2. Apoplexy	35	30	18	22	37	30	35	36	24	40	30·7	29	3	3	5	7	12	..
	3. Paralysis	24	20	18	19	14	28	25	32	24	26	23·0	39	..	..	4	11	23	..
	4. Insanity	..	1	1	5	1	..	1	5	..	3	1·7	1	..	..	..	..	..	..
	5. Chorea	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	6. Epilepsy	9	8	7	8	6	7	15	4	6	3	7·3	11	2	3	3	3	2	..
	7. Convulsions	31	38	34	31	48	46	43	51	44	58	42·4	60	60	60	..	..	..	..
	8. *Brain Disease, &c.*	23	18	14	14	13	20	19	21	16	16	17·4	25	5	8	4	6	7	..
	ORDER 2.																		
	1. Pericarditis	1	1	1	3	1	2	3	5	3	7	2·7	5	..	2	1	2	..	..
	2. Aneurism	2	1	3	1	..	2	4	2	2	5	2·2	3	..	..	..	2	1	..
	3. *Heart Disease, &c.*	68	42	47	42	52	54	56	62	45	65	53·3	66	2	5	13	18	27	..
	ORDER 3.																		
	1. Laryngitis	5	7	5	10	7	8	2	2	3	5	5·4	7	6	6	..	1	..	..
	2. Bronchitis	90	97	81	76	116	140	130	161	127	188	120·6	219	114	117	3	26	65	..
	3. Pleurisy	5	3	..	3	2	1	2	2	2	2	2·2	2	..	..	..	..	2	..
	4. Pneumonia	73	87	70	78	85	120	80	113	80	87	87·3	114	79	82	8	13	10	..
	5. Asthma	14	11	6	7	6	7	6	6	6	14	8·3	16	..	..	..	3	13	..
	6. *Lung Disease, &c.*	4	4	7	9	13	17	13	18	13	17	11·5	20	9	10	2	5	2	..
	ORDER 4.																		
	1. Gastritis	2	2	2	3	1	1	3	3	2	3	2·2	2	1	1	..	..	1	..
	2. Enteritis	5	4	5	6	4	4	10	6	5	6	5·5	7	5	5	..	1	1	..
	3. Peritonitis	5	2	3	4	5	7	1	6	6	9	4·8	11	1	3	3	2	3	..
	4. Ascites	5	1	4	4	2	2	8	7	1	4	3·8	1	1	1	..	..	..	..
	5. Ulceration of Intestines	4	1	...	4	3	3	1	..	2	3	2·1	5	..	..	2	2	1	..
	6. Hernia	2	..	3	3	2	2	2	5	1	2	2·2	4	..	..	..	1	3	..
	7. Ileus	3	1	2	3	4	7	4	3	2	2	3·1	5	..	..	1	2	2	..
	8. Intussusception	1	2	2	1	1	2	..	..	2	1	1·2	1	..	..	..	..	1	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism." &c.

* Two deaths from relapsing fever are included.

n the FORTY-FOURTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 5 1859	Nov 3 1860	Nov 2 1861	Nov 1 1862	Oct. 31 1863	Nov 5 1864	Nov 4 1865	Nov 3 1866	Nov 2 1867	Oct. 31 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 6, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	47·6	48·7	45·5	46·8	45·7	42·4	42·5	49·2	48·5	46·8	46·4	Mean Temp. 46·6						
	9. Stricture of Intestines	..	..	..	2	1	1	3	1	..	1	·9	..	..	..	..	..	..	..
	10. Fistula	1	..	1	..	..	2	..	3	..	..	·7	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	7	3	5	8	7	3	4	3	6	7	5·3	5	2	2	1	..	2	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	1	1	5	4	7	3	5	4	5	5	4·0	2	1	1	..	1	..	..
	14. Jaundice	1	2	2	5	3	6	3	3	3	6	3·4	5	2	2	1	..	2	..
	15. *Liver Disease, &c.*	10	12	8	14	10	18	23	17	11	15	13·8	22	..	..	5	8	9	..
	16. *Spleen Disease, &c.*	1	..	..	1	..	..	1	..	..	..	·3	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	1	..	1	..	1	1	1	1	2	·8	2	1	1	1	..	..	..
	2. Ischuria	..	..	1	..	..	..	1	1	..	..	·3	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	7	8	5	9	5	8	14	8	12	13	8·9	12	..	2	3	3	4	..
	4. Diabetes	..	2	..	1	3	2	3	1	..	1	1·3	2	..	..	2	..	..	..
	5. Calculus (Stone)	1	1	..	1	..	1	2	..	..	..	·6	1	1	1	..	..	..	..
	6. Cystitis	..	1	1	2	2	..	1	2	..	1	1·0	1	..	..	..	1	..	..
	7. *Kidney Disease, &c.*	4	6	6	6	4	8	7	8	7	14	7·0	16	..	1	7	4	4	..
	ORDER 6.																		
	1 Ovarian Dropsy	2	..	2	..	..	..	2	..	3	1	1·0	1	..	..	1	..	..	..
	2. *Uterus Disease, &c.*	1	2	4	5	3	2	6	4	3	8	3·8	5	..	..	2	2	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	1	..	..	1	..	..	..	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	..	4	3	5	10	2	3	7	1	7	4·2	4	..	1	1	1	1	..
	ORDER 8.																		
	1. Phlegmon	2	3	..	..	1	1	..	..	2	9	1·8	2	1	1	1	..	..	..
	2. Ulcer	..	1	2	..	3	..	2	2	..	1	1·1	2	..	..	..	..	2	..
	3. *Skin Disease, &c.*	3	..	..	4	1	1	2	1	1	1	1·4	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	22	11	25	14	16	18	21	26	18	19	19·0	17	17	17	..	..	..	..
	2. Cyanosis	3	3	1	2	1	4	1	3	1	1	2·0	1	1	1	..	..	..	..
	3. Spina Bifida	..	2	1	..	3	..	3	1	..	..	1·0	4	4	4	..	..	..	..
	4. Other Malformations	..	1	1	3	1	..	1	1	2	..	1·0	1	1	1	..	..	..	..
	5. Teething	10	12	12	11	11	11	10	12	11	12	11·2	11	11	11	..	..	..	..
	ORDER 2.																		
	1. Paramenia	1	..	..	..	..	1	..	..	..	..	·2	..	..	..	..	..	..	..
	2. Childbirth(*see* Puerperal Fev.)	5	2	1	6	7	7	7	7	8	8	5·8	7	..	..	7	..	..	..
	ORDER 3.																		
	1. Old Age	33	30	38	40	28	44	53	37	46	54	40·3	47	..	..	..	..	26	21
	ORDER 4.																		
	1. Atrophy and Debility	43	41	47	60	44	57	75	77	65	81	59·5	68	56	56	..	1	11	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	12	21	16	6	13	16	19	15	17	16	15·1	12	1	2	1	4	4	1
	2. Wounds	1	..	..	..	1	..	1	..	..	..	·3	1	..	..	1	..	..	..
	3. Burns and Scalds	7	5	4	3	8	11	7	1	4	5	5·5	7	3	5	..	2	..	..
	4. Poison	..	3	..	1	..	1	1	..	1	2	·9	..	..	..	..	..	..	..
	5. Drowning	3	5	8	3	4	2	4	7	6	2	4·4	4	..	1	2	1	..	..
	6. Suffocation	10	5	3	6	6	6	5	5	13	8	6·7	13	12	13	..	..	..	..
	7. Otherwise	2	..	1	2	3	5	3	1	1	3	2·1	1	..	..	..	..	1	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	3	5	..	1	..	..	1	3	1	1·6	3	2	2	..	..	..	1
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	..	1	1	..	..	·2	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	..	..	..	2	1	..	..	2	1	·6	1	..	..	..	1	..	..
	2. Poison	..	..	3	1	3	1	..	3	2	..	1·3	1	..	..	1	..	..	..
	3. Drowning	..	1	1	..	..	2	1	..	1	1	·7	..	..	..	..	..	..	..
	4. Hanging	1	1	3	2	1	1	1	3	1	..	1·4	..	..	..	..	..	..	..
	5. Otherwise	..	..	1	..	1	..	..	..	1	..	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	2	2	·4	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	2	3	3	2	1	1	6	4	..	2	2·4	..	..	..	..	..	..	..
	Causes not specified or ill-defined	7	9	8	9	1	10	4	2	5	11	6·6	2	2	2	..	..	..	..

'hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 6th November, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.	Moon. Phase of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shownby a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
October.		in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . 31	..	30·065	48·4	38·3	10·1	43·4	42·2	54·7	37·3	..	..	1·2	2·9	0·0	— 3·1	96	WSW.	WSW.	0·5	0·0	0·0	203	0·00	0
November.																								
Monday . 1	In Equator	30·133	53·6	42·4	11·2	48·2	44·0	62·2	34·2	44·4	43·4	4·2	8·0	0·0	+ 1·8	85	WNW. & W.	WSW.& WNW.	2·3	0·0	0·1	279	0·00	0
Tuesday . 2	Perigee	29·993	56·6	46·3	10·3	51·7	46·5	84·8	36·0	44·9	43·4	5·2	7·8	2·5	+ 5·4	83	W. & WSW.	WSW.	30·0	0·0	1·4	488	0·00	1
Wednesday 3	New	29·696	53·2	44·4	8·8	48·6	39·7	74·9	40·0	46·4	44·4	8·9	11·3	6·1	+ 2·5	71	W. & NNW	NW. & SW.	9·8	0·0	0·6	385	0·04	1
Thursday . 4	..	29·383	54·1	41·4	12·7	47·3	38·2	69·7	35·2	46·9	44·9	9·1	12·8	3·1	+ 1·4	71	W. by S. & WNW.	WNW. & W.	30·0	0·0	1·7	552	0·05	2
Friday . . 5	..	29·492	51·5	38·9	12·6	44·3	40·3	69·7	31·1	46·4	44·4	4·0	8·2	0·9	— 1·4	86	W.& W. by S.	SSW. & WSW.	17·0	0·0	0·7	436	0·18	0
Saturday . 6	..	29·495	54·9	35·7	19·2	42·5	34·2	62·9	29·0	46·2	44·4	8·3	11·3	4·8	— 3·0	72	WSW & NW	NW. & W. by S.	8·6	0·0	1·5	483	0·00	2
Means . .	..	29·751	53·2	41·1	12·1	46·6	40·7	68·4	34·7	(6 days) 45·9	(6 days) 44·2	5·8	8·9	2·5	+ 0·5	81	WSW & WNW.		..	..	..	Sum 2826	Sum 0·27	0·9
No. of Columns.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. October.		Electricity.	Sky and Atmosphere.
Sunday .	31	The insulating lamp was not burning.	Overcast till evening, then cloudless. Gloomy and foggy throughout.
November.			
Monday .	1		Generally cloudy. Fog prevailed during the morning; and a little thin rain fell in the afternoon.
Tuesday .	2		Generally overcast.
Wednesday	3		Shortly after 1h. A.M. rain fell; afterwards fine and partially cloudy till noon; generally overcast during the remainder of the day.
Thursday .	4		Generally cloudy till evening, and rain fell occasionally; cloudless at night.
Friday .	5		Fine, and partially cloudy during the morning; overcast afterwards. Rain fell in the afternoon.
Saturday .	6		Partially cloudy.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 30·01 in. at the beginning of the week to 30·16 in. by 9h. P.M. on 1st November; decreased to 29·32 in. by 9h. A.M. on the 4th; increased to 29·63 in. by 9h. A.M. on the 5th; decreased to 29·28 in. by 9h. P.M. on the same day; and was 29·68 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 45. 1869. Vol. XXX.] Week ending Saturday, November 13. [Price 1½*d.*

General Register Office, Somerset House,
15th November 1869.

In the week that ended on Saturday, 13th November, 4682 births, and 3535 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 29 per 1000 persons living.

The annual rate of mortality last week was 28 per 1000 in London, 33 in Edinburgh, and 25 in Dublin; 21 in Bristol, 25 in Birmingham, 28 in Liverpool, 29 in Manchester, 29 in Salford, 33 in Sheffield, 29 in Bradford, 32 in Leeds, 23 in Hull, 28 in Newcastle-upon-Tyne, and 33 in Glasgow.

The mortality from scarlet fever, which somewhat declined last week in London, showed an increase in several of the other large English towns, but especially in Sheffield. The annual death-rate from the disease during the week was 6·7 per 1000 in Sheffield, 4·9 in Hull, 4·6 in Liverpool, 4·3 in Leeds, 3·6 in London, and 2·0 in Newcastle-upon-Tyne.

In Paris the annual rate of mortality in the week ending last Saturday (13th Nov.) was 24 per 1000. The rate in Berlin during the seven days ending 11th instant was 25 per 1000; of the 345 deaths returned during the week in this city, 27 were fatal cases of diphtheria.

In London the births of 1160 boys and 1111 girls, in all 2271 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2182.

The deaths registered in London during the week were 1689. It was the forty-fifth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1425. The deaths in the present return exceed by 264 the estimated amount, but are less by 83 than the number recorded in the preceding week.

The deaths from zymotic diseases were 488, the corrected average number being 347. Nine deaths from small-pox, 31 from measles, 218 from scarlet fever, 10 from diphtheria, 69 from whooping-cough, 10 from typhus fever, 14 from enteric fever, 15 from simple continued fever, and 21 from diarrhœa were registered.

The mortality from scarlet fever was lower than in the four preceding weeks; the numbers recorded in those periods being 224, 233, 229, and 241. Thirteen

cases were registered last week in the West Districts, 45 in the North, 21 in the Central, 60 in the East, and 79 in the South Districts.

The daughter of a warehouseman, aged 5 years, died on 7th November at 101 Lambeth-walk from " relapsing fever (35 days), exhaustion, syncope."

The son of a plumber, aged 14 years, died on 11th November at 2 Bedford-road, Brixton, from " relapsing fever (18 days), coma."

One hundred and seventy-three persons died from phthisis, 227 from bronchitis, and 133 from pneumonia. The corrected average number of deaths from phthisis is 162, from bronchitis 154, and from pneumonia 104. In the previous week which ended 6th November, the deaths from these diseases were 191, 219, and 114 respectively.

The deaths of 2 persons from delirium tremens, of 16 infants from syphilis, of 2 persons from burns or scalds, of 3 persons from drowning, of 13 infants and 2 adults from suffocation, and of 4 persons who committed suicide were recorded.

The son of a french polisher died on 8th November in the Wandsworth-road, Clapham, from injuries caused by having been " run over by a dray." (*Inquest.*)

A costermonger, aged 32 years, died on 3d November in St. Pancras Workhouse from " consumption, accelerated by the unwholesome state of the atmosphere of the ward in which he died." *Post mort.* (*Inquest.*)

The widow of a schoolmaster, aged 57 years, died on 6th November in St. Pancras Workhouse from " congestion of the brain, accelerated by foul air of the ward in which she died." *Post mort.* (*Inquest.*)

A female, aged 30 years, died on 7th November in St. Pancras Workhouse from " consumption, accelerated by foul air of the ward in which she died. *Post mort.* (*Inquest.*)

A potman, aged 36 years, died on 6th November in the Workhouse St. George-in-the-East from " effusion into ventricles of brain through want and privation." *Post mort.* (*Inquest.*)

Although relapsing fever has been prevalent for some time past, only 10 fatal cases have been recorded during the present year. In preparing the abstract of the causes of death, cases of relapsing fever have hitherto been included under the head of simple continued fever ; several of the cases reported have been given in detail in the Weekly Returns. Relapsing fever in an epidemic form has been for some years absent from London. It is not fatal, as the mortality has rarely exceeded the rate of 25 deaths in 1000 cases. Medical reporters are requested to return it distinctly under its name, and not simply as fever. In the nomenclature of the College of Physicians it is thus defined :—

Relapsing fever : " a continued fever of short duration, characterised by absence " of eruption, and an abrupt relapse occurring after an interval of about a week."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·880 in. The barometrical reading increased from 29·52 in. on Tuesday, 9th November, to 30·27 in. on Friday, 12th November. The mean temperature of the air in the week was 41·1°, which is 3·3° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 56·0° on Monday, 8th November. The lowest night temperature was 27·3° on Friday, 12th November. The entire range of temperature in the week was, therefore, 28·7°. The mean of the highest temperatures of the

water of the Thames was 44·8°; that of the lowest was 43·3°. The difference between the mean dew-point temperature and air temperature was 6·1°. The mean degree of humidity of the air was 79, complete saturation being represented by 100. Rain fell to the amount of 0·08 in. The general direction of the wind was W.S.W., N.W., and S.W.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 227,295 cubic metres, and at Barking 158,396 cubic metres, equivalent to about as many tons by weight.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of October 1869: thus, according to their account, 103,363,482 gallons or 469,628 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 100·0 decalitres, about a *ton* by weight, to each house, and 14·1 decalitres (= 31·0 gallons) to each person.

According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that on an average, during the year 1866, about 80 per cent. of the total average daily supply of water for all purposes was for domestic use: applying this proportion to the total quantity supplied daily in the month of October 1869, it may be estimated that about 84,948,558 gallons were probably used for domestic purposes, or about 25·5 gallons per day for each inhabitant. This proportion no doubt varies from month to month, but the Registrar General has no means of giving a more exact estimate.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	September 1869.	October 1869.	September 1869.	October 1869.
Total Supply . . .	468,127	469,504	106,740,029	103,363,482
From Thames	213,991	214,824	54,813,130	53,102,902
From Lea and from other Sources . .	254,136	254,680	51,926,899	50,260,580
Thames.				
Chelsea	27,212	27,435	9,052,300	8,474,400
West Middlesex	39,760	40,016	8,531,236	8,339,182
Southwark and Vauxhall . . .	72,562	72,596	14,714,794	15,260,382
Grand Junction	30,804	30,929	10,859,300	10,393,838
Lambeth	43,653	43,848	11,655,500	10,635,100
Lea and other Sources.				
New River	116,877	117,076	24,879,000	24,402,000
East London	98,944	98,944	19,606,000	18,889,000
Kent	38,315	38,660	7,441,899	6,969,580

Note.—The Return for October as compared with that for September shows an increase of 1377 houses, and a decrease of 3,376,547 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Forty-fifth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1848	1691	1710	1832	1963	1994	2171	2212	2270	2145	1983·6	2271
Males . .	918	890	840	921	1011	1003	1072	1132	1187	1063	1003·7	1160
Females . .	930	801	870	911	952	991	1099	1080	1083	1082	979·9	1111
Total Deaths	1051	1084	1251	1307	1270	1586	1464	1361	1195	1387	1295·6	1689
Males . .	551	580	653	617	659	783	771	679	643	716	665·2	841
Females . .	500	504	598	690	611	803	693	682	552	671	630·4	848

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Aug. 21.	Aug. 28.	Sept. 4.	Sept. 11.	Sept. 18	Sept. 25.	Oct. 2.	Oct. 9.	Oct. 16.	Oct. 23.	Oct. 30.	Nov. 6.	Nov. 13.
Deaths	1527	1463	1391	1601	1409	1362	1395	1367	1305	1476	1536	1772	1689
Deaths under 5 years of age	810	767	740	854	716	682	690	661	681	736	719	848	773
Deaths under 20 years of age	916	892	886	986	861	824	848	797	801	903	870	997	957
Deaths 20—40	184	153	162	183	159	148	175	189	163	182	192	226	197
Deaths 40–60	201	177	153	198	197	198	178	199	177	178	240	223	245
Deaths at 60 years of age and upwards	226	241	190	234	192	192	194	182	164	213	234	326	290
Deaths from Smallpox	5	5	5	5	6	8	6	4	8	3	2	9	9
„ „ Measles	21	20	19	38	21	22	20	22	27	27	29	46	31
„ „ Scarlet Fever	132	143	170	179	178	191	238	216	224	233	229	241	218
„ „ Diphtheria	5	6	7	8	13	9	6	9	14	11	11	8	10
„ „ Whooping-cough	60	87	75	70	64	49	51	51	60	67	45	74	69
„ „ Typhus fever	13	10	9	12	6	9	8	9	7	9	8	11	10
„ „ Enteric fever	17	18	25	22	21	23	22	14	16	23	30	18	14
„ „ Simple Cont^{d} fever	5	13	12	18	12	13	12	10	13	6	6	12	15
„ „ Diarrhœa	264	195	161	185	139	115	76	57	51	45	34	29	21
„ „ Phthisis	172	130	143	168	133	140	141	155	141	150	175	191	173
„ „ Bronchitis	54	53	50	79	63	62	64	74	72	101	150	219	227
„ „ Pneumonia	55	36	53	54	45	54	50	54	56	70	102	114	133
„ „ Heart Disease	49	53	43	48	46	55	55	59	55	57	60	66	70
Mean Temperature of the Air	58°·7	68°·4	56°·1	63°·5	58°·1	56°·8	58°·8	56°·7	54°·5	42°·7	40°·0	46°·6	41°·1
Mean Temperature of the Water of the Thames	60·5	63·1	62·4	60·4	58·1	55·9	57·1	57·0	57·4	50·0	45·7	45·0	44·0
Humidity of the Air	74	69	66	75	82	78	81	86	85	84	79	81	79
Rain-fall in inches	0·01	0·00	0·00	0·69	1·85	0·12	0·81	0·02	0·25	0·90	0·21	0·27	0·08

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

BIRTHS and DEATHS registered, and METEOROLOGY during the Week ending Saturday, the 13th day of November 1869, in the following large TOWNS.

(The municipal boundaries are used for each of the English Towns, except LONDON.)

BOROUGHS, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	BIRTHS. Corrected Average Weekly Number in 10 Years 1851-60.	BIRTHS. Registered during the Week ending 13th Nov.	DEATHS. Corrected Average Weekly Number in 10 Years 1851-60.	DEATHS. Registered during the Week ending 13th Nov.	TEMPERATURE OF THE AIR. (FAHRENHEIT.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	RAIN FALL. In Inches.	In Tons per Acre.	TEMPERATURE OF THE AIR. (CENTIGRADE.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	RAIN FALL per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4682**	**3244**	**3535**	**58·5**	**23·2**	**40·9**	**0·73**	**74**	**14·72**	**−4·89**	**4·94**	**185**
LONDON (Metropolis . .	3,170,754	40·7	2070	2271	1462	1689	56·0	27·3	41·1	0·08	8	13·33	−2·61	5·06	20
BRISTOL . . (City) .	169,423	36·1	109	121	76	68 *	55·1	27·2	42·3	0·16	16	12·84	−2·67	5·73	41
BIRMINGHAM . (Borough) .	360,846	46·1	283	244	175	171	55·6	29·4	42·6	0·26	26	13·12	−1·45	5·90	66
LIVERPOOL . . (Borough) .	509,052	99·7	345	367	295	270	58·5	35·2	44·1	1·07	108	14·72	1·78	6·73	272
MANCHESTER . (City) .	370,892	82·7	277	264	210	207 *	58·0	23·2	39·9	1·36	137	14·44	−4·89	4·39	346
SALFORD . . (Borough) .	119,350	23·1	89	94	60	66	54·1	24·2	40·8	1·32	133	12·28	−4·33	4·89	335
SHEFFIELD . . (Borough) .	239,752	10·5	196	199	126	153	54·0	30·7	40·3	0·62	63	12·22	−0·72	4·61	158
BRADFORD . . (Borough) .	138,522	21·0	105	113	71	76	50·8	30·1	39·7	0·36	36	10·45	−1·05	4·25	91
LEEDS . . . (Borough) .	253,110	11·7	189	223	129	156	52·0	31·0	40·3	0·33	33	11·11	−0·56	4·61	84
HULL . . . (Borough) .	126,682	35·6	83	84	59	57	56·0	26·0	37·1	0·56	57	13·33	−3·33	2·84	142
NEWCASTLE-ON-TYNE (Borough)	130,503	24·5	90	95	69	69	..	..	..	..	..	..	..	..	..
EDINBURGH . (City) .	178,002	40·2	112	126	86	113	50·7	29·0	40·1	0·40	40	10·39	−1·67	4·44	102
GLASGOW . . (City) .	458,937	90·6	374	310	268	289	50·0	24·4	39·5	2·37	239	10·00	−4·22	4·17	602
DUBLIN (City and some suburbs)	320,762	32·9	219	171	158	151	58·3	26·8	43·9	0·55	56	14·61	−2·88	6·61	140
PARIS . . . (City) .	1,889,842	..	..	..	..	877	..	..	..	..	..	..	..	..	..
				Week ending 6 Nov. 1869.		Week ending 6 Nov. 1869.	Week ending 6th November 1869.					Week ending 6th November 1869.			
VIENNA . . (City) .	605,200	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 11 Nov. 1869.		Week ending 11 Nov. 1869.	Week ending 11th November 1869.					Week ending 11th November 1869.			
BERLIN . . (City) .	(1867) 702,437	..	..	564	..	345	..	..	36·9	..	..	..	..	2·75	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 13th November, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2271	1689	9	31	218	10	69	39	21
WEST DISTRICTS -	305	230	1	2	13	1	9	7	2
NORTH DISTRICTS -	472	357	2	4	45	4	10	5	5
CENTRAL DISTRICTS	237	182	-	1	21	3	3	3	3
EAST DISTRICTS -	496	457	5	11	60	1	27	7	5
SOUTH DISTRICTS -	761	463	1	13	79	1	20	17	6
WEST DISTRICTS.									
St. Mary Paddington *WH*	33	13	-	-	1	-	-	1	-
St. John Paddington H	11	9	-	-	1	-	-	-	-
Kensington Town *W* -	56	44	1	1	2	-	-	2	-
Brompton H - -	5	11	-	-	-	-	-	-	-
St. Peter Hammersmith	3	3	-	-	-	-	-	-	-
St. Paul Hammersmith	26	20	-	-	1	-	-	1	-
Fulham *W* - - -	16	14	-	-	-	-	-	3	-
Chelsea South H - -	27	12	-	-	1	-	-	-	-
ChelseaNorth-west H*Ww*	9	6	-	-	-	1	-	-	-
Chelsea North-east -	11	11	-	-	-	-	-	-	1
Hanover Square - -	5	5	-	-	-	-	3	-	-
May Fair *W* - -	1	3	-	-	-	-	1	-	-
Belgrave H - - -	31	27	-	-	2	-	1	-	1
St. John Westminster -	26	12	-	-	1	-	2	-	-
St. Margaret West. *WH*	11	14	-	-	2	-	2	-	-
St. James's Square -	2	4	-	-	-	-	-	-	-
Golden Square *W* -	13	7	-	1	-	-	-	-	-
Berwick-street - -	10	6	-	-	1	-	-	-	-
St. Anne Soho - -	9	9	-	-	1	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	15	21	-	-	1	-	-	-	-
Cavendish Square - -	5	4	-	-	-	-	-	-	-
Rectory Marylebone *W*	23	23	-	-	3	-	1	-	2
St. Mary Marylebone -	12	7	-	1	1	-	-	-	-
Christchurch Marylebone	20	15	-	-	1	-	-	-	-
St. John Marylebone -	18	8	-	-	1	-	-	1	-
Hampstead *W* - -	14	12	-	1	-	-	3	-	-
Regent's Park Pancras -	23	24	-	-	6	1	-	-	1
Tottenham-court *wH* -	15	12	-	-	1	-	-	-	-
Gray's Inn Lane H -	11	10	-	-	1	-	-	-	-
Somers Town - -	22	18	-	-	3	1	-	-	-
Camden Town *W* -	23	22	-	-	1	-	-	-	-
Kentish Town - -	48	25	-	1	4	-	1	-	-
Islington West* *WHH*	74	45	1	1	3	-	1	1	-
Islington East *Ww* -	71	50	-	-	8	1	3	-	2
Stoke Newington - -	4	2	-	-	1	-	-	-	-
Stamford Hill - -	3	3	-	-	-	-	-	-	-
West Hackney - -	14	14	-	-	1	-	-	-	-
Hackney *WHw* - -	38	25	-	-	3	1	1	1	-
South Hackney L -	19	17	1	-	6	-	-	2	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	9	5	-	-	1	-	-	-	-
St. Giles South *W* -	17	7	-	-	-	-	-	-	-
St. Giles North - -	15	10	-	-	-	-	-	-	-
Long Acre - - -	7	2	-	-	-	-	-	-	-
Charing Cross *WH* -	3	10	-	-	-	-	-	-	-
St. Mary-le-Strand -	1	4	-	-	2	-	-	-	-
St. Clement Danes H -	3	9	-	-	1	1	-	-	-
St.George-the-Martyr H	9	7	-	-	1	-	1	-	-
St. Andrew, East Holb. *W*	7	15	-	-	1	1	-	-	-
Saffron Hill - - -	8	8	-	-	2	-	-	-	-
St. James Clerkenwell *W*	12	11	-	-	-	-	-	-	1
Amwell Clerkenwell -	15	7	-	-	1	-	1	-	-
Pentonville - - -	13	5	-	-	-	-	-	1	-
Goswell-street - -	13	4	-	-	-	-	-	1	1
Old-street - - -	10	5	-	-	-	-	-	-	-
City-road HL - -	35	9	-	-	2	-	-	-	1
Whitecross-street - -	10	14	-	-	4	-	-	-	-
Finsbury - - -	8	9	-	-	4	1	1	-	-
St. Botolph East London	14	4	-	-	-	-	-	-	-
Cripplegate - - -	5	7	-	1	-	-	-	-	-
West London North *WH*	7	19	-	-	1	-	-	1	-
West London South -	7	7	-	-	-	-	-	-	-
London City South-west	1	1	-	-	-	-	-	-	-
London City North-west	2	2	-	-	1	-	-	-	-
London City South -	1	-	-	-	-	-	-	-	-
London City South-east	1	-	-	-	-	-	-	-	-
London City North-east	4	1	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.
EAST DISTRICTS.								
Holywell Shoreditch -	3	4	-	-	1	-	1	-
St. Leonard Shrdtch. L†	9	12	-	-	-	-	-	1
Hoxton New Town *w* -	25	31	-	1	2	-	1	-
Hoxton Old Town - -	23	10	-	-	-	-	3	-
Haggerstone West *W* -	25	22	-	-	3	-	1	-
Haggerstone East - -	20	11	-	-	-	-	-	1
Hackney-road - -	25	19	-	1	4	-	1	-
Green, Bthnl.Grn. *WHL*†	44	32	-	1	4	-	-	1
Church, Bethnal Green	19	21	-	1	2	-	2	1
Town, Bethnal Green -	13	15	-	-	3	-	-	-
Artillery Whitechapel -	5	3	-	-	-	-	2	-
Spitalfields - - -	9	6	-	-	2	-	-	-
Mile End New Town *W*	10	15	-	-	3	-	-	-
Whitechapel North -	5	5	-	-	2	-	-	-
Whitechapel Church H	2	10	-	1	-	-	-	-
Goodman's Fields - -	5	4	-	-	-	-	-	-
Aldgate - - - -	4	6	-	1	-	-	-	-
St. Mary St. Geo. East -	12	7	-	-	-	-	-	-
St. Paul St. Geo. East -	12	19	-	-	5	-	3	-
St. John St. Geo. East *W*	12	10	-	1	1	-	-	-
Shadwell *W* - - -	6	20	-	-	3	-	1	-
Ratcliff *W* - - -	9	11	-	-	1	-	2	-
Limehouse *W* - -	23	25	4	-	1	-	3	-
Mile End Old Town, West	35	29	1	-	6	1	1	2
Mile End Old T., East *Ww*	48	40	-	2	4	-	5	-
Bow *ww*L† - - -	67	42	-	1	7	-	1	-
Poplar *W* - - -	26	28	-	1	6	-	-	1
SOUTH DISTRICTS.								
Christchurch Sthwark. *W*	15	15	-	-	5	-	-	-
St. Saviour Southwark H	11	8	-	-	2	-	1	-
St. Olave Southwark H	-	11	-	-	-	-	-	1
St. John Horsleydown *W*	6	6	-	-	1	-	-	-
St. James Bermondsey -	46	35	1	4	11	-	1	-
St. Mary Magdalen *W*	19	11	-	-	3	-	-	-
Leather Market - -	14	5	-	-	-	-	1	-
Kent-road - - -	18	6	-	1	1	-	-	-
Borough-road *W* -	15	7	-	1	1	-	1	-
London-road L - -	17	12	-	1	4	-	-	1
Trinity Newington -	28	15	-	-	5	-	1	-
St. Peter Walworth *W*	25	24	-	-	8	1	1	2
St. Mary Newington H -	16	14	-	-	3	-	2	-
Waterloo-road 1st - -	17	3	-	-	-	-	-	-
Waterloo-road 2nd -	14	13	-	-	1	-	-	1
Lambeth Church 1st -	20	10	-	1	-	-	-	1
Lambeth Church 2nd *W*	31	19	-	-	-	-	-	3
Kennington 1st - -	28	17	-	-	1	-	-	1
Kennington 2nd - -	28	11	-	-	-	-	-	-
Brixton - - - -	16	15	-	-	-	-	1	1
Norwood *W* - - -	10	3	-	1	-	-	-	-
Clapham - - -	23	13	-	-	4	-	1	-
Battersea *Ww* - -	42	18	-	1	3	-	-	-
Wandsworth L - -	11	9	-	1	-	-	1	-
Putney - - - -	5	5	-	-	-	-	1	-
Streatham - - -	8	-	-	-	-	-	-	-
Dulwich - - - -	1	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	13	8	-	-	-	-	-	-
Peckham - - -	48	20	-	1	2	-	-	1
St. George Camberwell -	30	14	-	-	3	-	2	-
Rotherhithe *W* - -	16	17	-	-	2	-	1	1
St. Paul Deptford - -	37	23	-	-	9	-	1	1
St. Nicholas Deptford -	3	7	-	-	2	-	-	1
Greenwich West H -	18	7	-	-	2	-	-	1
Greenwich East *WH* -	14	11	-	-	2	-	1	-
Eltham - - - -	3	1	-	-	-	-	-	-
Lee - - - -	7	9	-	-	1	-	-	-
Lewisham Village *W* -	5	6	-	-	1	-	-	-
Sydenham - - -	21	5	-	-	-	-	-	-
Charlton H - - -	2	3	-	-	2	-	-	-
Woolwich Dockyard H	8	2	-	-	-	-	-	-
Woolwich Arsenal H -	15	8	-	-	-	-	-	1
Plumstead, West - -	17	5	-	-	-	-	1	-
Plumstead, East - -	20	12	-	1	-	-	2	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the FORTY-FIFTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 12 1859	Nov 10 1860	Nov 9 1861	Nov 8 1862	Nov 7 1863	Nov 12 1864	Nov 11 1865	Nov 10 1866	Nov 9 1867	Nov 7 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 13, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	43°·7	40°·1	42°·0	44°·9	47°·3	37°·5	42°·4	48°·4	41°·9	43°·9	43°·2	Mean Temp 41°·1						
	ALL CAUSES	1051	1084	1251	1307	1270	1586	1464	1361	1195	1387	1295·6	1689	773	957	197	245	239	51
	SPECIFIED CAUSES	1042	1057	1234	1279	1268	1556	1449	1356	1192	1381	1281·4	1677	771	953	197	240	236	51
	(CLASSES.)																		
I.	ZYMOTIC DISEASES	254	259	307	363	345	367	335	329	254	345	315·8	488	305	423	30	20	14	1
II.	CONSTITUTIONAL „	205	184	261	243	226	258	275	238	249	276	241·5	266	40	62	92	75	34	3
III.	LOCAL „	426	450	504	473	534	710	636	599	525	576	543·3	711	314	350	66	136	144	15
IV.	DEVELOPMENTAL „	118	129	130	148	129	171	159	138	129	145	139·6	165	94	95	1	2	36	31
V.	VIOLENT DEATHS	39	35	32	52	34	50	44	52	35	39	41·2	47	18	23	8	7	8	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES	238	234	293	336	316	342	310	312	224	320	292·5	450	271	339	28	19	13	1
	2. ENTHETIC „	4	6	4	9	10	4	8	3	11	5	6·4	16	16	16	..	..	..	..
	3. DIETIC „	9	15	10	16	16	19	13	9	17	18	14·2	18	14	14	2	1	1	..
	4. PARASITIC „	3	4	..	2	3	2	4	5	2	2	2·7	4	4	4	..	..	..	..
II.	1. DIATHETIC „	38	27	57	41	35	48	42	33	49	46	41·6	57	3	5	6	21	22	3
	2. TUBERCULAR „	167	157	204	202	191	210	233	205	200	230	199·9	209	37	57	86	54	12	..
II.	1. DISEASES OF NERVOUS SYSTEM	117	112	120	125	145	152	151	133	114	126	129·5	140	65	76	5	21	35	3
	2. „ OF ORGANS OF CIRCULATION	53	61	72	54	64	68	67	61	59	61	62·0	73	..	9	17	27	18	2
	3. „ OF RESPIRATORY ORGANS	179	207	209	197	242	404	322	330	268	287	264·5	407	234	248	24	56	70	9
	4. „ OF DIGESTIVE ORGANS	47	42	76	58	53	52	57	47	51	64	54·7	48	10	11	9	17	10	1
	5. „ OF URINARY ORGANS	24	13	17	21	18	16	21	18	23	25	19·6	27	2	3	6	10	8	..
	6. „ OF ORGANS OF GENERATION	3	4	4	7	3	4	6	1	4	5	4·1	6	..	..	2	3	1	..
	7. „ OF ORGANS OF LOCOMOTION	1	5	2	7	3	7	2	4	2	5	3·8	7	2	2	3	1	1	..
	8. „ OF INTEGUMENTARY SYSTEM	2	6	4	4	6	7	10	5	4	3	5·1	3	1	1	..	1	1	..
V.	1. DEV. DISEASES OF CHILDREN	29	42	35	33	29	52	31	40	45	29	36·5	34	34	34	..	..	..	..
	2. „ OF ADULTS	8	5	3	6	5	5	5	5	4	6	5·2	2	..	..	1	1	..	..
	3. „ OF OLD PEOPLE	38	29	38	61	38	51	51	46	28	56	43·6	61	..	..	..	..	30	31
	4. DISEASES OF NUTRITION	43	53	54	48	57	63	72	47	52	54	54·3	68	60	61	..	1	6	..
V.	1. ACCIDENT OR NEGLIGENCE	31	30	28	46	31	44	37	43	28	31	34·9	41	16	21	7	5	7	1
*	3. HOMICIDE	2	3	2	1	1	1	1	2	..	2	1·5	2	2	2	..	..	..	..
	4. SUICIDE	6	2	2	5	2	5	6	7	7	5	4·7	4	..	..	1	2	1	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	3	3	..	8	2	6	3	1	..	..	2·6	2	..	..	..	2	..	..
	CAUSES NOT SPECIFIED	6	24	17	20	..	24	12	4	3	6	11·6	10	2	4	..	3	3	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 12 1859	Nov 10 1860	Nov 9 1861	Nov 8 1862	Nov 7 1863	Nov 12 1864	Nov 11 1865	Nov 10 1866	Nov 9 1867	Nov 7 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 13, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	°43·7	°40·1	°42·0	°44·9	°47·3	°37·5	°42·4	°48·4	°41·9	°43·9	°43·2	°41·1						
I.	ORDER 1.																		
	1. Small-pox	21	5	1	13	23	14	13	37	9	1	13·7	9	6	6	1	2	..	..
	2. Measles	21	49	14	61	13	45	40	29	37	32	34·1	31	30	30	1	..	..	..
	3. Scarlet Fever (Scarlatina)	98	47	111	89	125	81	62	30	39	119	80·1	218	126	211	6	1	..	..
	4. Diphtheria	8	12	19	10	17	15	10	5	8	8	11·2	10	7	8	1	1	..	..
	5. Quinsy	..	2	2	4	3	1	1	..	..	..	1·3	1	..	..	..	..	1	..
	6. Croup	9	13	15	18	9	14	13	7	12	21	13·1	12	9	12	..	..	..	..
	7. Whooping-cough	14	44	45	28	29	30	40	34	27	28	31·9	69	66	69	..	..	..	..
	8. Typhus — Enteric Fever *— Simple continued Fever	36	21	44	54	62	78	62	50	42	54	50·3	10 14 15	.. 1 6	3 11 11	4 1 1	2 1 ..	1 1 3	.. .. ..
	9. Erysipelas	3	4	4	8	3	14	11	6	7	12	7·2	10	3	3	2	2	2	1
	10. Puerperal Fever (Metria)	3	2	2	10	4	9	5	5	4	13	5·7	8	..	1	4	3	..	..
	11. Carbuncle	3	..	2	1	2	1	1	1	2	..	1·3	2	..	..	2	..	..	..
	12. Influenza	1	1	1	..	..	3	..	..	..	2	·8	3	1	1	..	..	2	..
	13. Dysentery	3	1	..	..	..	3	3	..	..	..	1·0	1	..	..	1	..	..	..
	14. Diarrhœa	11	25	24	28	13	18	37	33	21	19	22·9	21	16	16	..	4	1	..
	15. Simple Cholera	1	..	2	2	..	1	2	67	5	1	8·1	..	..	..	..	..	..	..
	16. Ague	..	..	1	..	..	..	1	1	..	1	·4	..	..	..	..	..	..	..
	17. Remittent fever	2	1	2	1	1	2	2	1	1	..	1·3	1	..	1	..	..	..	..
	18. Rheumatism	4	7	4	9	12	13	7	6	10	8	8·0	15	..	6	4	3	2	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	2	5	3	6	10	3	8	2	11	5	5·5	16	16	16	..	..	..	..
	2. Stricture of Urethra	2	1	1	3	..	1	..	..	..	..	·8	..	..	..	..	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	..	..	1	..	..	2	1	..	1	1	·6	1	..	..	1	..	..	..
	2. Want of Breast-milk	4	12	8	11	11	12	4	6	11	8	8·7	10	10	10	..	..	..	..
	3. Purpura and Scurvy	2	3	..	1	1	1	2	1	2	4	1·7	5	4	4	1	..	..	..
	4. Alcoholism (*a* Del. Tremens)	1	..	..	4	1	3	3	1	1	2	1·6	2	..	..	..	1	1	..
	4. Alcoholism (*b* Intemperance)	2	..	1	..	3	1	3	1	2	3	1·6	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	2	4	..	2	3	2	4	5	2	2	2·6	4	4	4	..	..	..	..
	2. Worms, &c.	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	..	..	3	..	..	2	1	..	1	1	·8	5	..	..	..	1	3	1
	2. Dropsy	13	7	17	12	8	18	9	3	10	9	10·6	18	2	4	3	5	5	1
	3. Cancer	19	15	34	28	23	25	31	25	35	34	26·9	32	..	..	3	15	13	1
	4. Cancrum Oris (Noma)	1	..	..	1	3	..	1	1	1	..	·8	1	1	1	..	..	..	..
	5. Mortification	5	5	3	..	1	3	..	4	2	2	2·5	1	..	..	..	..	1	..
	ORDER 2.																		
	1. Scrofula	4	9	13	10	12	12	11	7	5	6	8·9	6	1	4	1	..	1	..
	2. Tabes Mesenterica	16	10	17	18	16	20	23	20	22	22	18·4	21	20	21	..	..	..	..
	3. Phthisis	132	109	159	152	137	140	170	155	148	176	147·8	173	7	23	85	54	11	..
	4. Hydrocephalus	15	29	15	22	26	38	29	23	25	26	24·8	9	9	9	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	9	5	7	9	14	12	10	7	4	12	8·9	20	14	18	..	2	..	..
	2. Apoplexy	28	35	33	29	34	36	39	25	24	23	30·6	20	2	3	1	7	8	1
	3. Paralysis	25	18	22	17	22	18	21	24	17	29	21·3	28	..	..	1	6	19	2
	4. Insanity	..	3	..	2	1	1	5	2	2	2	1·8	3	..	1	..	1	1	..
	5. Chorea	..	2	..	1	..	1	..	..	..	..	·4	..	..	..	..	..	..	..
	6. Epilepsy	6	3	6	8	6	3	5	7	2	4	5·0	7	..	1	..	3	3	..
	7. Convulsions	27	30	33	42	51	66	56	57	57	43	46·2	49	47	49	..	..	..	..
	8. *Brain Disease, &c.*	22	16	19	17	17	15	15	11	8	13	15·3	13	2	4	3	2	4	..
	ORDER 2.																		
	1. Pericarditis	3	6	2	1	2	1	4	1	4	6	3·0	1	..	..	..	1	..	..
	2. Aneurism	1	5	3	2	4	..	3	..	4	1	2·3	2	..	..	1	..	1	..
	3. *Heart Disease, &c.*	49	50	67	51	58	67	60	60	51	54	56·7	70	..	9	16	26	17	2
	ORDER 3.																		
	1. Laryngitis	3	2	9	4	7	6	5	9	3	4	5·2	7	2	4	..	3	..	..
	2. Bronchitis	102	96	87	101	122	204	194	178	154	163	140·1	227	125	129	6	31	53	8
	3. Pleurisy	2	3	5	5	3	5	7	5	2	5	4·2	6	..	2	3	1	..	..
	4. Pneumonia	60	94	89	73	94	165	90	111	82	88	94·6	133	97	102	8	16	6	1
	5. Asthma	4	8	4	4	6	7	10	9	7	8	6·7	14	..	..	2	3	9	..
	6. *Lung Disease, &c.*	8	4	15	10	10	17	16	18	20	19	13·7	20	10	11	5	2	2	..
	ORDER 4.																		
	1. Gastritis	1	1	1	2	2	3	3	2	1	4	2·0	1	1	1	..	..	..	..
	2. Enteritis	5	2	8	6	7	4	4	5	5	5	5·1	1	1	1	..	..	..	..
	3. Peritonitis	2	5	11	2	3	9	2	4	3	4	4·5	5	..	..	2	1	2	..
	4. Ascites	4	3	4	..	1	1	2	..	2	5	2·2	2	..	..	..	1	1	..
	5. Ulceration of Intestines	1	2	2	4	4	1	3	3	1	4	2·5	3	..	..	2	..	1	..
	6. Hernia	..	2	2	6	4	2	4	3	4	3	3·0	3	1	1	..	2	..	..
	7. Ileus	3	..	3	1	3	2	5	4	3	4	2·8	2	..	..	..	1	..	1
	8. Intussusception	..	..	2	..	1	2	..	..	2	2	·9	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

* Two deaths from relapsing fever are included.

the FORTY-FIFTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 12 1859	Nov 10 1860	Nov 9 1861	Nov 8 1862	Nov 7 1863	Nov 12 1864	Nov 11 1865	Nov 10 1866	Nov 9 1867	Nov 7 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 13, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	43·7	40·1	42·0	44·9	47·3	37·5	42·4	48·4	41·9	43·9	43·2	Mean Temp 41·1						
	9. Stricture of Intestines	..	1	2	..	..	..	2	..	2	..	·7	..	..	..	..	..	..	..
	10. Fistula	..	..	..	..	..	..	1	1	..	1	·3	2	..	..	1	1	..	..
	11. *Stomach Disease, &c.*	9	5	12	13	5	6	5	6	6	5	7·2	4	1	1	..	3	..	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	3	2	3	6	2	..	6	6	6	4	3·8	2	..	1	..	1	..	..
	14. Jaundice	3	6	5	1	6	4	3	5	3	3	3·9	5	3	3	..	1	1	..
	15. *Liver Disease, &c.*	15	13	21	16	15	18	17	6	13	19	15·3	17	2	2	4	6	5	..
	16. *Spleen Disease, &c.*	1	..	..	1	..	..	..	2	..	1	·5	1	1	1	..	..	..	..
	ORDER 5.																		
	1. Nephritis	3	..	..	1	..	..	1	..	1	3	·9	2	1	1	..	..	1	..
	2. Ischuria	1	..	..	..	..	..	..	..	..	1	·2	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	9	6	6	7	9	7	6	6	9	7	7·2	14	1	1	4	6	3	..
	4. Diabetes	2	1	3	1	..	1	3	2	3	..	1·6	4	..	..	2	2	..	..
	5. Calculus (Stone)	1	1	..	2	1	1	1	2	2	1	1·2	2	..	1	..	..	1	..
	6. Cystitis	..	..	..	1	1	1	3	1	..	1	·8	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	8	5	8	9	7	6	7	7	8	12	7·7	4	..	..	..	2	2	..
	ORDER 6.																		
	1. Ovarian Dropsy	1	..	2	1	..	2	2	..	1	2	1·1	1	..	..	..	1	..	..
	2. *Uterus Disease, &c.*	2	4	2	6	3	2	4	1	3	3	3·0	5	..	..	2	2	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	1	5	2	7	3	7	2	4	2	5	3·8	7	2	2	3	1	1	..
	ORDER 8.																		
	1. Phlegmon	..	3	1	3	4	2	8	..	2	3	2·6	1	1	1	..	..	..	..
	2. Ulcer	2	1	1	1	1	1	..	1	1	..	·9	2	..	..	..	1	1	..
	3. *Skin Disease, &c.*	..	2	2	..	1	4	2	4	1	..	1·6	..	..	..	..	..	..	..
V.	ORDER 1.																		
	1. Premature Birth	20	19	21	15	15	27	19	26	21	18	20·1	16	16	16	..	..	..	..
	2. Cyanosis	1	4	1	1	3	1	1	5	3	..	2·0	..	..	..	..	..	..	..
	3. Spina Bifida	..	..	1	..	1	2	1	2	1	..	·8	2	2	2	..	..	..	..
	4. Other Malformations	1	2	2	3	1	2	..	..	5	..	1·6	3	3	3	..	..	..	..
	5. Teething	7	17	10	14	9	20	10	7	15	11	12·0	13	13	13	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	2	1	1	..	..	..	..	..	1	·5	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	8	3	2	5	5	5	5	5	4	5	4·7	2	..	..	1	1	..	..
	ORDER 3.																		
	1. Old Age	38	29	38	61	38	51	51	46	28	56	43·6	61	..	..	..	..	30	31
	ORDER 4.																		
	1. Atrophy and Debility	43	53	54	48	57	63	72	47	52	54	54·3	68	60	61	..	1	6	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	11	15	14	18	13	21	19	25	14	14	16·4	15	1	4	3	4	4	..
	2. Wounds	3	1	..	2	..	1	..	..	..	..	·7	..	..	..	..	..	..	..
	3. Burns and Scalds	10	5	2	10	3	5	3	4	4	5	5·1	2	1	1	1	..	..	..
	4. Poison	..	2	3	2	1	3	..	2	..	..	1·3	2	1	1	..	..	1	..
	5. Drowning	1	4	3	6	3	5	3	3	1	2	3·1	3	..	1	1	..	1	..
	6. Suffocation	3	3	5	7	6	7	11	6	8	7	6·3	15	13	13	1	1	..	..
	7. Otherwise	3	..	1	1	5	2	1	3	1	3	2·0	4	..	1	1	..	1	1
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	2	3	2	1	1	1	1	2	..	2	1·5	2	2	2	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	..	2	..	..	1	·3	1	..	..	1	..	..	..
	1. Wounds { Cut, Stab	..	1	1	1	..	..	2	1	2	..	·8	1	..	..	..	1	..	..
	2. Poison	1	..	..	..	..	1	1	1	1	..	·5	..	..	..	..	..	..	..
	3. Drowning	1	1	1	2	1	..	..	..	1	3	1·0	1	..	..	..	..	1	..
	4. Hanging	4	..	..	2	1	3	1	4	1	..	1·6	..	..	..	..	..	..	..
	5. Otherwise	..	..	..	..	..	1	..	1	2	1	·5	1	..	..	..	1	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	3	3	..	8	2	6	3	1	..	..	2·6	2	..	..	..	2	..	..
	Causes not specified or ill-defined	6	24	17	20	..	24	12	4	3	6	11·6	10	2	4	..	3	3	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when e result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 13th November, 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
November.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	7	..	29·781	47·3	32·9	14·4	40·1	34·3	66·2	25·0	46·4	44·4	5·8	10·5	2·7	— 5·2	80	WSW.	W by N & WSW	3·2	0·0	0·2	290	0·00	0
Monday . .	8	Greatest Dec. S.	29·631	56·0	37·3	18·7	46·4	39·8	73·4	29·0	45·9	44·4	6·6	13·5	0·0	+ 1·4	78	WSW.	NW. & WSW.	17·2	0·0	2·0	499	0·00	0
Tuesday .	9	..	29·613	54·1	34·0	20·1	43·6	39·7	57·5	29·6	45·4	43·4	3·9	7·2	1·2	— 1·1	86	WSW.	NNW. NW. & WSW.	6·4	0·0	0·5	323	0·07	1
Wednesday	10	..	29·823	40·9	31·5	9·4	35·8	29·7	52·9	24·8	44·4	43·4	6·1	12·4	2·2	— 8·6	79	WSW. & WNW.	W. & NW.	15·0	0·0	0·5	312	0·01	0
Thursday.	11	First Quarter	30·152	41·3	28·8	12·5	34·7	28·9	60·5	21·2	44·4	42·4	5·8	10·3	0·0	— 9·4	79	N.W. & NNW.	NNW. & WSW.	1·5	0·0	0·2	239	0·00	1
Friday . .	12	..	30·223	46·0	27·3	18·7	38·3	31·4	62·7	19·3	43·4	42·4	6·9	10·5	2·7	— 5·5	76	SW.	SW.	2·6	0·0	0·2	261	0·00	2
Saturday.	13	..	29·935	52·9	42·8	10·1	48·6	41·0	57·7	36·7	43·4	42·4	7·6	10·0	6·0	+ 5·1	75	SW.	WSW.	20·8	0·2	2·3	636	0·00	3
Means . .		..	29·880	48·4	33·5	14·8	41·1	35·0	61·6	26·5	44·8	43·3	6·1	10·6	2·1	— 3·3	79	WSW, NW, & SW.		..	..	..	Sum 2590	Sum 0·08	1·0
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. November.		Electricity.	Sky and Atmosphere.
Sunday .	7	The insulating lamp was not burning.	Partially cloudy.
Monday .	8		Partially cloudy till evening; then cloudless. A little rain fell in the morning.
Tuesday .	9		Overcast generally till 7h. P.M., cloudless afterwards. Rain fell at times between 11h. A.M. and 1h. P.M.
Wednesday	10		Partially cloudy till night; then clear. Rain, mingled with snow, fell heavily for a few minutes after 5½h. P.M., accompanied by violent gusts of wind.
Thursday .	11	No electricity was shown.	Generally cloudless. Haze and fog at night. Hoar frost.
Friday .	12		Generally cloudy. Hoar frost during the early morning, and a dry fog prevailed in low grounds later in the morning.
Saturday .	13		In the early morning hours the amount of cloud varied; overcast from 3h. A.M. throughout the remainder of the day.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·68 in. at the beginning of the week to 29·81 in. by 10h. A.M. on the 7th; decreased to 29·53 in. by 9h. A.M. on the 8th; increased to 29·78 in. by 9h. P.M. on the same day; decreased to 29·52 in. by noon on the 9th; increased to 30·27 in. by 9h. A.M. on the 12th; and was 29·83 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 46. 1869. Vol. XXX.] Week ending Saturday, November 20. [Price 1*d*.

COLLEGE OF PHYSICIANS OF ENGLAND

General Register Office, Somerset House,
22d November 1869.

In the week that ended on Saturday, 20th November, 4592 births, and 3754 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 30 per 1000 persons living.

The annual rate of mortality last week was 31 per 1000 in London, 33 in Edinburgh, and 23 in Dublin; 27 in Bristol, 24 in Birmingham, 29 in Liverpool, 33 in Manchester, 28 in Salford, 31 in Sheffield, 24 in Bradford, 28 in Leeds, 30 in Hull, 27 in Newcastle-upon-Tyne, and 36 in Glasgow.

Scarlet fever continues fatally prevalent in several of the above large English towns; the annual death-rate from the disease last week was 5·2 per 1000 in Sheffield, 4·2 in Liverpool, 3·4 in London, 2·7 in Leeds, and 2·5 in Hull.

In Paris the annual rate of mortality in the week ending last Saturday (20th November) was 25 per 1000. The rate in Berlin during the seven days ending 18th instant, was 26 per 1000, and in Vienna 27 per 1000 during the week ending 13th instant. In Berlin of the 352 deaths, 23 were fatal cases of diphtheria, against 27 in the previous week.

In London the births of 1092 boys and 1093 girls, in all 2185 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2181.

The deaths registered in London during the week were 1859. It was the forty-sixth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1566. The deaths in the present return exceed by 293 the estimated amount, and are 170 higher than the number recorded in the preceding week.

In the week that ended 16th October the deaths in the Metropolis were 1305, and the mean temperature of the air was 54·5°. In the following week the mean temperature fell to 42·7°, and the deaths rose to 1476. The numbers of deaths in the four following weeks were 1536, 1772, 1689, and 1859, the mean temperature in these periods being 40·0°, 46·6°, 41·1°, and 45·8°.

Last week the mean temperature which was 51·2° on Tuesday, 16th November, fell on the following day to 37·9°, slightly rose to 39·0° on Thursday, 18th November, increased on Friday, 19th November, to 47·4°, and declined on Saturday, 20th November, to 37·2°. A comparison of the deaths of last week with those in the week which ended 13th November shows that the greatest mortality occurred among the aged, who are less able to resist the low and fluctuating temperature which has prevailed than persons in the prime of life.

The deaths from zymotic diseases were 492, the corrected average number being 363. Six deaths from small-pox, 50 from measles, 208 from scarlet fever, 7 from diphtheria, 69 from whooping-cough, 13 from typhus fever, 27 from enteric fever, 14 from simple continued fever, and 29 from diarrhœa were registered.

Scarlet fever was not quite so fatal as in the preceding week. Of the 208 persons who died, 136 were under 5 years of age, 61 were above 5 and under 20 years, and 11 were aged 20 years and upwards. Fifteen cases were recorded in the West Districts, 43 in the North, 15 in the Central, 69 in the East, and 66 in the South Districts. The Registrar of the sub-district of Trinity, Newington, reports:—"Scarlet fever is very prevalent. Some of the houses in the courts in "Kent-street are in a wretched condition, and not fit for habitation, the ventilation "is very defective."

The deaths from measles were 19, and from enteric fever 13, in excess of the numbers registered in the previous week.

The daughter of a carman, aged 3 years, died on 13th November at 4 Clark's-row, Robert-street, Kennington, from "relapsing fever (12 days) convulsions."

The daughter of a bookbinder, aged 4 years, died on 15th November at 48 Everard-street, St. George-in-the-East, from "relapsing fever."

The daughter of a printer, aged 3 years, died on 17th November at 7 Charles-street, Hackney-road, Bethnal-green, from "relapsing fever (14 days)."

A labourer, aged 42 years, died on 2d November in the Workhouse, St. George Hanover-square, from "destitution, jaundice."

A labourer, aged 26 years, died on 7th November in the Workhouse, St. George Hanover-square, from "destitution, continued fever, hæmoptysis."

An ostler, aged 42 years, died on 17th November, at 76 Flint-street, Bromley, from "farcy."

One hundred and fifty-nine persons died from phthisis, 265 from bronchitis, and 138 from pneumonia. The corrected average number of deaths from phthisis is 183, from bronchitis 183, and from pneumonia 122. In the preceding week which ended 13th November, the deaths from these diseases were 173, 227, and 133 respectively.

The deaths from diseases of the brain and nervous system were 70, and the deaths from diseases of the organs of circulation were 20, above the numbers recorded in the previous week.

Eight nonagenarians died during the week, and the widow of a leather dresser died on 16th November at 3 Waterloo-street, Walworth, at the age (as stated) of 104 years.

The deaths of 2 persons from delirium tremens, of 10 infants and 3 adults from syphilis, of 7 children and one adult from burns or scalds, of 3 persons from drowning, of 8 children from suffocation, and of 13 persons who committed suicide were recorded.

The following deaths of 3 persons who were killed by horses or vehicles in the streets were registered :—

A female, aged 50 years, "fractured ribs, ruptured liver and spleen; knocked down and run over by a horse and van." Died on 8th November in the Westminster Hospital. *Post mort.* (*Inquest.*)

The son of a tailor, aged 6 years, "run over by an omnibus." Died on 18th November whilst being taken to the London Hospital. (*Inquest.*)

The wife of a painter, aged 78 years, "concussion of the brain; knocked down by a horse." Died on 14th November in Wandsworth-lane, Putney. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 30·044 in. The barometrical reading increased from 29·76 in. on Sunday, 14th November, to 30·35 in. on Thursday, 18th November. The mean temperature of the air in the week was 45·8°, which is 3·4° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 58·8° on Monday, 15th November. The lowest night temperature was 28·9° on Thursday, 18th November. The entire range of temperature in the week was, therefore, 29·9°. The mean of the highest temperatures of the water of the Thames was 45·1°; that of the lowest was 43·6°. The difference between the mean dew-point temperature and air temperature was 3·5°. The mean degree of humidity of the air was 88, complete saturation being represented by 100. Rain fell to the amount of 0·10 in. The general direction of the wind was W.S.W. and S.W.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 183,337 cubic metres, and at Barking 138,689 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Forty-sixth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1860	1860	1774	1904	2061	1950	2074	1988	2079	2280	1983·0	2185
Males . .	958	997	876	928	1066	934	1052	1035	1075	1143	1006·4	1092
Females .	902	863	898	976	995	1016	1022	953	1004	1137	976·6	1093
Total Deaths	1233	1183	1288	1429	1457	1742	1515	1428	1457	1506	1423·8	1859
Males . .	626	607	673	732	721	902	767	727	754	766	727·5	945
Females .	607	576	615	697	736	840	748	701	703	740	696·3	914

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859-68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 20th day of November 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 20th Nov.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 20th Nov.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4592**	**3244**	**3754**	**61·0**	**28·9**	**46·8**	**0·15**	**15**	**16·11**	**−1·72**	**8·23**	**38**
London (Metropolis)	3,170,754	40·7	2070	2185	1462	1859	58·8	28·9	45·8	0·10	10	14·89	−1·72	7·67	25
Bristol (City)	169,423	36·1	109	141	76	89 *	55·5	30·0	45·7	0·09	9	13·06	−1·11	7·61	23
Birmingham (Borough)	360,846	46·1	283	229	175	163	58·8	31·1	46·6	0·14	14	14·89	−0·50	8·12	36
Liverpool (Borough)	509,052	99·7	345	437	295	286	56·3	38·1	47·4	0·17	17	13·50	3·39	8·55	43
Manchester (City)	370,892	82·7	277	230	210	237 *	55·3	33·0	45·8	0·17	17	12·95	0·56	7·67	43
Salford (Borough)	119,350	23·1	89	91	60	64	55·7	31·9	46·1	0·21	21	13·17	−0·06	7·84	53
Sheffield (Borough)	239,752	10·5	196	153	126	144	57·0	34·5	46·7	0·04	4	13·89	1·39	8·17	10
Bradford (Borough)	138,522	21·0	105	105	71	64	50·6	34·5	48·2	0·01	1	10·34	1·39	9·00	3
Leeds (Borough)	253,110	11·7	189	232	129	138	58·0	35·0	48·9	0·18	18	14·44	1·67	9·39	46
Hull (Borough)	126,682	35·6	83	103	59	72	55·0	29·0	43·5	0·00	0	12·78	−1·67	6·39	0
Newcastle-on-Tyne (Borough)	130,503	24·5	90	101	69	68	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	117	86	111	57·7	34·0	47·8	0·40	40	14·28	1·11	8·78	102
Glasgow (City)	458,937	90·6	374	326	268	320	..	..	..	..	..	..	..	..	..
Dublin (City and some suburbs)	320,762	32·9	219	142	158	139	61·0	32·5	48·6	0·32	32	16·11	0·28	9·23	81
Paris (City)	1,889,842	..	..	..	..	900	..	..	..	..	..	..	..	..	..
				Week ending 13 Nov. 1869.		Week ending 13 Nov. 1869.	Week ending 13th November 1869.					Week ending 13th November 1869.			
Vienna (City)	605,200	..	..	..	..	310	..	..	40·3	..	..	..	..	4·62	..
	(1867)			Week ending 18 Nov. 1869.		Week ending 18 Nov. 1869.	Week ending 18th November 1869.					Week ending 18th November 1869.			
Berlin (City)	702,437	..	..	537	..	352	..	..	42·8	..	..	..	..	6·00	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 20th November, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON –	2185	1859	6	50	208	7	69	54	29
WEST DISTRICTS –	345	242	–	7	15	–	10	9	5
NORTH DISTRICTS –	469	408	3	8	43	2	14	13	4
CENTRAL DISTRICTS –	222	208	–	1	15	–	4	5	2
EAST DISTRICTS –	455	430	1	16	69	1	24	14	9
SOUTH DISTRICTS –	694	571	2	18	66	4	17	13	9
WEST DISTRICTS.									
St. Mary Paddington *WH*	48	27	–	–	3	–	1	1	1
St. John Paddington H	13	21	–	2	3	–	–	–	–
Kensington Town *W* –	46	34	–	1	3	–	–	1	1
Brompton H – –	19	9	–	–	–	–	1	–	–
St. Peter Hammersmith	5	–	–	–	–	–	–	–	–
St. Paul Hammersmith	19	9	–	1	2	–	1	–	–
Fulham *W* – – –	16	5	–	–	–	–	–	–	–
Chelsea South H – –	20	15	–	3	–	–	2	–	1
Chelsea North-west H *Ww*	22	7	–	–	–	–	1	–	1
Chelsea North-east –	14	7	–	–	–	–	–	1	1
Hanover Square – –	4	6	–	–	1	–	1	–	–
May Fair *W* – –	6	8	–	–	–	–	–	1	–
Belgrave H – – –	33	33	–	–	2	–	1	1	–
St. John Westminster –	30	16	–	–	–	–	1	–	–
St. Margaret West. *WH*	18	24	–	–	1	–	–	2	–
St. James's Square –	4	2	–	–	–	–	–	–	–
Golden Square *W* –	6	7	–	–	–	–	1	–	–
Berwick-street – –	7	3	–	–	–	–	–	–	–
St. Anne Soho – –	15	9	–	–	–	–	–	2	–
NORTH DISTRICTS.									
All Souls Marylebone H	21	15	–	–	1	–	1	–	–
Cavendish Square – –	6	4	–	–	–	–	1	–	–
Rectory Marylebone *W*	14	28	–	–	–	–	–	1	–
St. Mary Marylebone –	21	18	–	–	5	–	–	–	–
Christchurch Marylebone	16	13	–	2	–	–	1	–	–
St. John Marylebone –	13	19	–	2	1	–	1	–	–
Hampstead *W* – –	14	14	–	–	–	–	2	–	–
Regent's Park Paneras –	19	9	–	–	–	–	–	–	–
Tottenham-court *w*H –	21	13	–	–	1	–	–	–	–
Gray's Inn Lane H –	14	17	–	1	2	–	–	–	–
Somers Town – –	21	13	–	–	1	–	–	–	–
Camden Town *W* –	19	25	–	–	–	–	–	–	1
Kentish Town – –	47	30	–	1	7	–	1	–	–
Islington West* *WHH*	79	66	3	–	8	–	–	10	–
Islington East *Ww* –	61	68	–	1	13	2	3	1	3
Stoke Newington – –	14	1	–	–	–	–	–	–	–
Stamford Hill – –	2	2	–	–	–	–	–	–	–
West Hackney – –	23	18	–	–	–	–	–	–	–
Hackney *Wlw* – –	27	26	–	1	3	–	2	1	–
South Hackney L –	17	9	–	–	1	–	2	–	–
CENTRAL DISTRICTS.									
St. George Bloomsbury –	9	6	–	–	1	–	–	–	–
St. Giles South *W* –	14	17	–	–	–	–	–	–	–
St. Giles North – –	7	11	–	–	–	–	–	1	–
Long Acre – – –	7	3	–	–	–	–	1	–	–
Charing Cross *WH* –	6	5	–	–	–	–	–	–	–
St. Mary-le-Strand –	5	–	–	–	–	–	–	–	–
St. Clement Danes H –	3	10	–	–	1	–	–	2	–
St. George-the-Martyr H	10	13	–	–	2	–	–	–	–
St. Andrew, East Holb. *W*	4	6	–	–	2	–	–	–	–
Saffron Hill – – –	8	9	–	–	1	–	–	–	–
St. James Clerkenwell *W*	16	13	–	–	1	–	2	–	–
Aylwell Clerkenwell –	14	8	–	–	1	–	–	–	1
Pentonville – – –	6	6	–	1	–	–	–	–	–
Goswell-street – –	12	9	–	–	–	–	–	–	–
Old-street – – –	10	6	–	–	–	–	1	–	–
City-road HL – –	23	16	–	–	1	–	–	–	–
Whitecross-street –	9	12	–	–	–	–	–	–	–
Finsbury – – –	15	5	–	–	–	–	–	2	1
St. Botolph East London	9	7	–	–	–	–	–	–	–
Cripplegate – – –	4	5	–	–	2	–	–	–	–
West London North *WH*	8	18	–	–	–	–	–	–	–
West London South –	8	8	–	–	1	–	–	–	–
London City South-west	3	2	–	–	–	–	–	–	–
London City North-west	6	4	–	–	–	–	–	–	–
London City South –	2	3	–	–	–	–	–	–	–
London City South-east	3	1	–	–	–	–	–	–	–
London City North-east	1	5	–	–	2	–	–	–	–

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch –	6	5	–	–	–	–	–	–	–
St. Leonard Shrditch. L†	16	9	–	–	2	–	1	–	–
Hoxton New Town *w* –	24	24	–	1	3	–	–	1	–
Hoxton Old Town – –	19	15	–	–	4	–	4	1	–
Haggerstone West *W* –	18	27	–	–	–	–	3	3	–
Haggerstone East – –	21	12	–	–	2	–	1	1	–
Hackney-road – –	22	23	–	1	7	–	1	1	–
Green, Bthnl. Grn. *W*HL†	33	41	–	4	9	–	2	–	–
Church, Bethnal Green –	21	16	–	1	3	–	–	–	–
Town, Bethnal Green –	15	15	–	1	2	–	–	1	–
Artillery Whitechapel –	4	1	–	–	–	–	–	–	–
Spitalfields – – –	8	8	–	2	1	–	–	–	–
Mile End New Town *W*	13	15	–	–	2	–	–	–	–
Whitechapel North –	9	4	–	–	–	–	1	–	–
Whitechapel Church H	5	10	–	–	–	–	–	–	–
Goodman's Fields – –	4	4	–	–	1	–	–	–	–
Aldgate – – – –	6	6	–	–	2	–	–	–	–
St. Mary St. Geo. East –	8	9	–	–	2	–	–	2	–
St. Paul St. Geo. East –	17	10	–	–	1	–	1	–	–
St. John St. Geo. East *W*	10	8	–	–	–	–	2	1	–
Shadwell *W* – – –	6	10	–	–	–	–	1	–	–
Ratcliff *W* – – –	13	12	–	1	–	–	1	2	–
Limehouse *W* – –	20	19	–	–	2	–	1	1	1
Mile End Old Town, West	15	18	–	–	5	–	1	–	–
Mile End Old T., East *Ww*	38	38	1	–	6	–	3	–	2
Bow *ww*L† – – –	54	40	–	3	6	1	–	–	–
Poplar *W* – – –	30	31	–	2	9	–	1	–	–
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	9	11	–	–	1	–	–	–	1
St. Saviour Southwark H	18	9	–	–	2	–	–	–	–
St. Olave Southwark H	3	17	–	–	1	–	–	–	–
St. John Horsleydown *W*	14	3	–	1	1	–	–	–	–
St. James Bermondsey –	39	40	–	2	3	1	3	–	1
St. Mary Magdalen *W* –	17	10	–	–	1	–	–	–	–
Leather Market –	13	8	–	–	1	–	–	–	–
Kent-road – –	14	11	–	–	2	–	2	–	–
Borough-road *W* – –	10	21	–	2	–	1	3	–	–
London-road L – –	16	12	–	1	1	–	–	–	–
Trinity Newington –	18	11	–	–	5	–	–	–	–
St. Peter Walworth *W*	41	41	–	–	5	–	1	1	–
St. Mary Newington H	17	23	–	2	4	–	–	1	–
Waterloo-road 1st –	12	3	–	–	1	–	–	–	1
Waterloo-road 2nd –	16	14	–	–	2	–	1	–	–
Lambeth Church 1st –	18	12	–	1	1	–	–	–	–
Lambeth Church 2nd *W*	33	27	–	4	1	–	1	–	–
Kennington 1st – –	24	20	–	–	2	–	–	–	–
Kennington 2nd – –	18	12	–	–	–	–	–	1	1
Brixton – – –	19	15	–	–	–	–	–	1	–
Norwood *W* – – –	7	5	–	–	–	1	–	–	–
Clapham – – –	13	10	–	–	2	–	–	–	–
Battersea *Ww* – –	43	25	–	–	–	–	–	1	–
Wandsworth L – –	10	19	–	–	2	–	1	1	–
Putney – – – –	5	4	–	–	–	1	–	–	–
Streatham – – –	4	6	–	–	–	–	–	–	–
Dulwich – – –	–	–	–	–	–	–	–	–	–
Camberwell *W*L†L† –	21	25	1	–	1	–	–	1	1
Peckham – – –	35	21	1	–	1	–	–	–	–
St. George Camberwell –	28	19	–	–	3	–	2	–	–
Rotherhithe *W* – –	16	16	–	–	7	–	–	1	–
St. Paul Deptford – –	30	26	–	1	10	–	–	–	1
St. Nicholas Deptford –	2	7	–	–	2	–	–	–	–
Greenwich West H –	12	10	–	–	–	–	1	2	–
Greenwich East *WH* –	18	7	–	–	–	–	–	–	–
Eltham – – – –	3	2	–	–	–	–	–	–	–
Lee – – – –	7	4	–	1	–	–	–	1	–
Lewisham Village *W* –	8	4	–	–	–	–	–	–	1
Sydenham – – –	8	7	–	–	1	–	–	1	–
Charlton H – – –	3	6	–	–	1	–	–	1	–
Woolwich Dockyard H	8	2	–	–	–	–	–	–	–
Woolwich Arsenal H –	21	13	–	3	1	–	–	–	–
Plumstead, West – –	14	7	–	–	1	–	–	–	–
Plumstead, East – –	9	6	–	–	–	–	2	–	–

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand – – „ „ Tottenham-court sub-district.
West London – – „ „ Islington East.
East London – – „ „ Hackney sub-district.
St. Luke Middlesex – „ „ Hoxton New Town sub-district.
London City – – „ „ Mile End Old Town Eastern sub-dist and Bow sub-district.
Stepney – – – „ „ Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the FORTY-SIXTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 19 1859	Nov 17 1860	Nov 16 1861	Nov 15 1862	Nov 14 1863	Nov 19 1864	Nov 18 1865	Nov 17 1866	Nov 16 1867	Nov 14 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 20, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	37°·6	41°·7	39°·7	37°·3	41°·6	45°·5	44°·8	45°·6	45°·0	40°·7	42°·0	Mean Temp. 45°·8						
	ALL CAUSES	1233	1183	1288	1429	1457	1742	1515	1428	1457	1506	1423·8	1859	855	1024	233	246	293	63
	SPECIFIED CAUSES	1210	1178	1280	1421	1445	1714	1495	1395	1450	1478	1406·6	1853	852	1020	232	246	292	63
	(CLASSES.)																		
I.	ZYMOTIC DISEASES	290	229	348	401	374	406	338	284	284	345	329·9	492	323	412	40	20	17	3
II.	CONSTITUTIONAL ,,	244	250	249	254	261	296	295	240	280	266	263·5	257	51	82	85	68	21	1
III.	LOCAL ,,	506	514	494	573	621	804	635	671	681	649	614·8	851	347	388	92	143	202	26
IV.	DEVELOPMENTAL ,,	131	141	147	162	148	162	173	151	159	151	152·5	199	114	115	8	..	45	31
V.	VIOLENT DEATHS	39	44	42	31	41	46	54	49	46	67	45·9	54	17	23	7	15	7	2
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES	268	209	322	374	350	378	300	263	253	321	303·8	461	300	389	37	16	16	3
	2. ENTHETIC ,,	5	8	10	9	8	5	13	3	11	8	8·0	16	10	10	3	3	..	..
	3. DIETIC ,,	15	8	13	15	15	19	21	14	14	10	14·4	12	10	10	..	1	1	..
	4. PARASITIC ,,	2	4	3	3	1	4	4	4	6	6	3·7	3	3	3	..	..	..	..
II.	1. DIATHETIC ,,	48	49	45	42	57	51	52	41	43	45	47·3	47	1	4	7	21	14	1
	2. TUBERCULAR ,,	196	201	204	212	204	245	243	199	237	221	216·2	210	50	78	78	47	7	..
III.	1. DISEASES OF NERVOUS SYSTEM	132	116	124	137	144	156	167	191	142	154	146·3	210	86	97	23	31	52	7
	2. ,, OF ORGANS OF CIRCULATION	61	62	53	74	70	97	77	60	67	83	70·4	93	1	12	26	26	27	2
	3. ,, OF RESPIRATORY ORGANS	233	270	247	283	314	460	313	333	364	317	313·4	452	248	258	20	60	100	14
	4. ,, OF DIGESTIVE ORGANS	53	43	42	51	65	56	48	50	72	49	52·9	56	4	6	14	20	15	1
	5. ,, OF URINARY ORGANS	15	16	22	14	16	20	20	23	26	24	19·6	21	4	6	4	3	6	2
	6. ,, OF ORGANS OF GENERATION	1	1	1	3	6	6	5	5	1	7	3·6	6	..	..	3	2	1	..
	7. ,, OF ORGANS OF LOCOMOTION	3	1	2	4	2	4	..	5	5	8	3·4	8	..	5	2	1	..	..
	8. ,, OF INTEGUMENTARY SYSTEM	8	5	3	7	4	5	5	4	4	7	5·2	5	4	4	..	..	1	..
IV.	1. DEV. DISEASES OF CHILDREN	30	44	27	36	40	42	38	38	43	38	37·6	48	48	48	..	..	..	..
	2. ,, OF ADULTS	10	4	5	5	5	3	5	5	7	4	5·3	6	..	..	6	..	..	..
	3. ,, OF OLD PEOPLE	55	45	63	57	58	58	64	39	38	48	52·5	67	..	..	..	..	36	31
	4. DISEASES OF NUTRITION	36	48	52	64	45	59	66	69	71	61	57·1	78	66	67	2	..	9	..
V.	1 ACCIDENT OR NEGLIGENCE	30	36	32	26	36	40	49	41	41	55	38·6	39	15	19	3	10	5	2
*	3. HOMICIDE	2	..	5	1	2	3	1	4	..	3	2·1	2	2	2	..	..	..	..
	4. SUICIDE	7	8	5	4	3	2	4	4	4	9	5·0	13	..	2	4	5	2	..
	5. EXECUTION	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	2	3	4	3	7	1	3	1	..	1	2·5	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED	21	2	4	5	5	27	17	32	7	27	14·7	6	3	4	1	..	1	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 19 1859	Nov 17 1860	Nov 16 1861	Nov 15 1862	Nov 14 1863	Nov 19 1864	Nov 18 1865	Nov 17 1866	N v 16 1867	Nov 14 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 20, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	37°·6	41°·7	39°·7	37°·3	41°·6	45°·5	44°·8	45°·6	45°·0	40°·7	42°·0	Mean Temp 45°·8						
I.	ORDER 1.																		
	1. Small-pox	29	3	3	13	18	13	12	18	17	8	13·4	6	2	5	1	..	..	..
	2. Measles	36	43	6	65	21	63	45	20	57	38	39·4	50	46	49	..	..	1	..
	3. Scarlet Fever (Scarlatina)	96	38	101	100	121	85	55	45	37	116	79·4	208	136	197	11	..	..	..
	4. Diphtheria	9	12	25	17	13	7	7	12	8	8	11·8	7	3	6	..	1	..	..
	5. Quinsy	1	..	5	3	5	3	..	..	..	..	1·7	3	..	2	..	1	..	..
	6. Croup	5	8	17	23	17	16	16	17	18	17	15·4	9	8	9	..	..	..	..
	7. Whooping-cough	20	46	54	40	28	38	42	32	32	27	35·9	69	67	69	..	..	..	..
	8. Typhus												13	..	3	6	4	..	..
	— Enteric Fever	31	24	62	69	83	86	68	42	36	58	55·9	27	9	17	7	2	1	..
	— Simple continued Fever												14	6	7	3	1	3	..
	9. Erysipelas	6	8	7	4	9	11	5	6	13	15	8·4	12	4	4	2	2	4	..
	10. Puerperal Fever (Metria)	4	4	9	1	5	11	4	6	8	4	5·6	5	..	..	4	1	..	..
	11. Carbuncle	..	2	..	..	..	3	1	2	1	1	1·0	2	..	..	1	..	..	1
	12. Influenza	1	..	3	1	1	3	..	..	..	..	·9	..	..	..	..	..	..	..
	13. Dysentery	3	..	2	1	3	1	3	3	1	2	1·9	1	..	..	..	..	1	..
	14. Diarrhœa	14	15	19	29	14	21	32	22	17	14	19·7	29	18	19	..	2	6	2
	15. Simple Cholera	..	..	..	1	..	..	..	32	2	..	3·5	..	..	..	..	..	..	..
	16. Ague	1	1	..	..	..	..	..	..	..	..	·2	1	1	1	..	..	..	..
	17. Remittent Fever	2	1	2	1	2	2	1	..	..	..	1·1	..	..	..	..	..	..	..
	18. Rheumatism	10	4	7	6	10	15	9	6	5	13	8·5	5	..	1	2	2	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	3	6	9	8	5	5	11	2	10	8	6·7	13	10	10	3	..	..	..
	2. Stricture of Urethra	2	2	1	1	3	..	2	1	1	..	1·3	2	..	..	..	2	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
	ORDER 3.																		
	1. Privation	..	..	1	..	..	4	..	..	..	1	·6	..	..	..	..	..	..	..
	2. Want of Breast-milk	9	7	19	13	8	7	15	9	10	6	9·4	9	9	9	..	..	..	..
	3. Purpura and Scurvy	2	..	..	1	3	1	..	1	2	1	1·1	1	1	1	..	..	..	..
	4. Alcoholism (*a* Del. Tremens, *b* Intemperance)	2	1	1	1	3	3	4	2	2	2	2·1	2	..	..	..	1	1	..
		2	..	1	..	1	4	2	2	..	..	1·2	..	..	..	..	..	..	..
	ORDER 4.																		
	1. Thrush	..	2	3	3	1	4	4	4	5	6	3·2	3	3	3	..	..	..	..
	2. Worms, &c.	2	2	..	..	..	..	..	..	1	..	·5	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	3	1	2	..	..	1	..	4	..	2	1·3	2	..	..	1	1	..	..
	2. Dropsy	16	16	9	12	26	14	17	10	12	17	14·9	14	1	4	..	4	6	..
	3. Cancer	24	28	27	28	26	30	31	23	30	23	27·0	28	..	..	5	15	8	..
	4. Cancrum Oris (Noma)	..	..	3	..	..	2	1	..	..	1	·7	..	..	..	..	..	..	..
	5. Mortification	5	4	4	2	5	4	3	4	1	2	3·4	3	..	..	1	1	..	1
	ORDER 2.																		
	1. Scrofula	6	6	13	7	8	14	5	6	6	11	8·2	5	2	4	1	..	..	..
	2. Tabes Mesenterica	9	15	18	17	10	9	29	16	24	21	16·8	28	27	28	..	..	..	..
	3. Phthisis	157	156	154	166	158	183	183	159	184	165	166·5	159	8	29	77	46	7	..
	4. Hydrocephalus	24	24	19	22	28	39	26	18	23	24	24·7	18	13	17	..	1	..	..
III.	ORDER 1.																		
	1. Cephalitis	8	7	5	6	13	10	11	11	16	14	10·1	24	14	21	2	..	1	..
	2. Apoplexy	31	26	25	33	23	32	40	53	31	23	31·7	43	1	2	6	11	22	2
	3. Paralysis	34	23	25	24	33	41	28	29	30	36	30·3	41	..	1	4	11	20	5
	4. Insanity	..	1	3	..	2	1	4	3	2	4	2·0	5	..	..	2	2	1	..
	5. Chorea	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	6. Epilepsy	9	6	9	8	10	8	12	12	4	7	8·5	12	3	3	3	4	2	..
	7. Convulsions	36	37	40	48	51	52	48	59	39	54	46·4	67	66	67	..	..	..	..
	8. *Brain Disease, &c.*	14	16	17	18	12	12	24	24	20	16	17·3	18	2	3	6	3	6	..
	ORDER 2.																		
	1. Pericarditis	2	1	2	4	1	4	2	..	5	1	2·2	7	..	2	4	..	1	..
	2. Aneurism	3	2	3	4	5	2	..	4	3	5	3·1	7	..	..	4	..	3	..
	3. *Heart Disease, &c.*	56	59	48	66	64	91	75	56	59	77	65·1	79	1	10	18	26	23	2
	ORDER 3.																		
	1. Laryngitis	6	5	5	6	7	7	7	8	6	3	6·0	9	6	7	..	..	2	..
	2. Bronchitis	138	138	131	130	167	249	175	182	192	166	166·8	265	136	137	5	35	76	12
	3. Pleurisy	4	4	5	4	2	2	4	1	6	6	3·8	5	1	2	..	..	3	..
	4. Pneumonia	64	109	82	115	117	165	102	121	124	109	110·8	138	93	100	12	14	10	2
	5. Asthma	13	8	10	19	9	11	7	5	14	11	10·7	15	..	..	1	6	8	..
	6. *Lung Disease, &c.*	8	6	14	9	12	26	18	16	22	22	15·3	20	12	12	2	5	1	..
	ORDER 4.																		
	1. Gastritis	..	1	1	1	..	3	2	2	2	1	1·3	..	..	..	..	..	..	..
	2. Enteritis	3	7	7	5	7	3	6	6	7	5	5·6	2	..	1	..	..	1	..
	3. Peritonitis	6	4	3	4	9	5	4	3	4	5	4·7	6	..	..	4	2	..	..
	4. Ascites	2	4	1	3	2	3	3	1	4	1	2·4	2	..	..	..	2	..	..
	5. Ulceration of Intestines	1	1	3	5	1	..	7	1	4	3	2·6	..	..	..	..	..	..	..
	6. Hernia	2	2	3	4	7	5	4	1	3	1	3·2	7	1	1	2	2	2	..
	7. Ileus	2	2	3	3	4	1	1	2	3	1	2·2	5	..	1	1	2	1	..
	8. Intussusception	1	1	..	1	1	..	1	2	1	..	·8	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism." of

In the FORTY-SIXTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 19 1859	Nov 17 1860	Nov 16 1861	Nov 15 1862	Nov 14 1863	Nov 19 1864	Nov 18 1865	Nov 17 1866	Nov 16 1867	Nov 14 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 20, 1869. Deaths of Persons of the Ages — ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	37°·6	41°·7	39°·7	37°·3	41°·6	45°·5	44°·8	45°·6	45°·0	40°·7	42°·0	Mean Temp. 45°·8						
	9. Stricture of Intestines	..	1	2	1	1	4	..	2	..	1	1·2	1	..	..	1	..	..	..
	10. Fistula	..	1	..	..	..	1	1	..	..	..	·3	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	10	4	3	6	7	5	2	3	10	6	5·6	9	1	1	2	..	6	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	3	1	4	1	2	2	2	2	6	5	2·8	4	..	..	..	4	..	..
	14. Jaundice	1	2	2	2	2	5	1	3	5	8	3·1	4	2	2	..	2	..	..
	15. *Liver Disease, &c.*	21	10	10	13	22	19	14	21	23	12	16·5	15	..	..	4	6	4	1
	16. *Spleen Disease, &c.*	1	2	..	2	..	..	..	1	..	..	·6	1	..	..	..	..	1	..
	ORDER 5.																		
	1. Nephritis	..	..	3	1	2	1	..	..	4	2	1·3	3	2	3	..	..	..	..
	2. Ischuria	..	..	2	..	..	..	..	1	..	..	·3	1	..	..	..	..	..	1
	3. Bright's disease (Nephria)	2	5	10	8	9	10	10	13	7	6	8·0	6	..	1	3	1	1	..
	4. Diabetes	2	2	..	..	2	..	2	..	..	1	·9	1	..	..	..	1	..	..
	5. Calculus (Stone)	..	1	1	..	..	1	1	2	1	2	·9	1	1	1	..	..	..	..
	6. Cystitis	2	..	..	..	..	2	1	..	1	1	·7	..	..	..	..	..	..	..
	7. *Kidney Disease, &c.*	9	8	6	5	3	6	6	7	13	12	7·5	9	1	1	1	1	5	1
	ORDER 6.																		
	1 Ovarian Dropsy	..	..	..	2	1	1	2	..	..	..	·6	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	1	1	1	1	5	5	3	5	1	7	3·0	6	..	..	3	2	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	1	..	..	..	..	..	..	..	·1	2	..	2	..	..	..	..
	2. *Joint Disease, &c.*	3	1	1	4	2	4	..	5	5	8	3·3	6	..	3	2	1	..	..
	ORDER 8.																		
	1. Phlegmon	5	2	1	2	1	1	..	1	2	4	1·9	1	1	1	..	..	..	..
	2. Ulcer	1	2	1	4	3	2	1	1	1	3	1·9	1	..	..	..	..	1	..
	3. *Skin Disease, &c.*	2	1	1	1	..	2	4	2	1	..	1·4	3	3	3	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	18	22	14	14	19	22	19	16	25	16	18·5	28	28	28	..	..	..	..
	2. Cyanosis	1	3	2	1	3	1	4	3	6	3	2·7	4	4	4	..	..	..	..
	3. Spina Bifida	..	..	1	2	3	..	1	1	2	2	1·2	1	1	1	..	..	..	..
	4. Other Malformations	1	2	..	4	..	..	2	2	1	1	1·3	2	2	2	..	..	..	..
	5. Teething	10	17	10	15	15	19	12	16	9	16	13·9	13	13	13	..	..	..	..
	ORDER 2.																		
	1. Paramenia	1	..	..	..	..	1	..	..	1	..	·3	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	9	4	5	5	5	2	5	5	6	4	5·0	6	..	..	6	..	..	..
	ORDER 3.																		
	1. Old Age	55	45	63	57	58	58	64	39	38	48	52·5	67	..	..	..	..	36	31
	ORDER 4.																		
	1. Atrophy and Debility	36	48	52	64	45	59	66	69	71	61	57·1	78	66	67	2	..	9	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	13	15	17	11	13	17	20	18	17	32	17·3	19	1	3	1	9	4	2
	2. Wounds	1	1	..	..	1	1	1	..	..	1	·6	..	..	..	..	..	..	..
	3. Burns and Scalds	9	6	3	9	6	6	10	4	9	7	6·9	8	6	7	..	..	1	..
	4. Poison.	..	4	2	..	2	1	..	..	3	1	1·3	1	..	..	1	..	..	..
	5. Drowning	5	2	4	4	2	2	1	11	4	1	3·6	3	1	1	1	1	..	..
	6. Suffocation	2	6	6	2	10	8	17	4	5	6	6·6	8	7	8	..	..	..	..
	7. Otherwise	..	2	..	..	2	5	..	4	3	7	2·3	..	..	..	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	..	5	1	2	3	1	4	..	3	2·1	2	2	2	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	2	..	..	..	..	1	..	..	..	..	·3	1	..	..	1	..	..	..
	1. Wounds { Cut, Stab	..	..	1	1	1	..	..	..	3	1	·7	2	..	..	1	..	1	..
	2. Poison.	1	4	2	..	1	..	2	1	..	2	1·3	2	..	..	..	2	..	..
	3. Drowning	..	3	1	..	..	..	..	..	..	3	·7	4	..	2	1	1	..	..
	4. Hanging	3	1	1	3	1	..	2	2	1	1	1·5	1	..	..	..	..	1	..
	5. Otherwise	1	..	..	..	..	1	..	1	..	2	·5	3	..	..	1	2	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	2	3	4	3	7	1	3	1	..	1	2·5	..	..	..	..	..	..	..
	Causes not specified or ill-defined	21	2	4	5	5	27	17	32	7	27	14·7	6	3	4	1	..	1	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

METEOROLOGICAL OBSERVATIONS taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 20TH NOVEMBER, 1869.
[Under the Superintendence of the Astronomer Royal.]

1869. MONTH AND DAY.		Moon. Phase of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shownby a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
NOVEMBER.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
SUNDAY .	14	Apogee	29·779	57·6	51·3	6·3	54·2	49·5	59·7	46·3	..	..	4·7	5·8	3·8	+11·0	84	WSW.	WSW.	14·0	0·1	1·8	581	0·00	5
MONDAY .	15	In Equator	29·842	58·8	49·1	9·7	53·6	51·2	60·9	44·7	44·7	42·4	2·4	5·6	1·6	+10·7	91	WSW.& SW.	WSW.	2·5	0·0	0·5	366	0·10	0
TUESDAY .	16	..	29·867	56·7	47·3	9·4	51·2	47·3	85·9	40·8	44·9	43·4	3·9	7·4	1·1	+ 8·6	87	SW.&SSW.	SSW.& SW.	1·6	0·0	0·2	303	0·00	3
WEDNESDAY	17	..	30·185	48·0	31·2	16·8	37·9	37·8	49·2	30·0	44·9	43·5	0·1	1·3	0·0	— 4·4	100	N. & WSW.	SW.	0·0	0·0	0·0	76	0·00	0
THURSDAY .	18	..	30·336	49·8	28·9	20·9	39·0	37·2	73·9	28·7	45·4	44·4	1·8	7·2	0·0	— 3·0	93	SW. & SSW.	SSW. & SW.	1·0	0·0	0·1	194	0·00	2
FRIDAY . .	19	Full	30·152	55·6	40·3	15·3	47·4	44·7	66·9	29·7	45·4	44·4	2·7	5·1	1·8	+ 5·6	90	WSW.	WSW&NW	2·3	0·0	0·4	333	0·00	2
SATURDAY .	20	..	30·146	43·8	32·0	11·8	37·2	28·0	67·5	26·0	45·4	44·2	9·2	13·2	1·4	— 4·4	69	WSW. & NNW.	N. & N. by W.	2·2	0·0	0·3	278	0·00	1
MEANS . .		..	30·044	52·9	40·0	12·9	45·8	42·2	66·3	35·2	(6 days) 45·1	(6 days) 43·6	3·5	6·5	1·4	+ 3·4	88	WSW.& SW.		..	..	.	Sum 2131	Sum 0·10	1·9
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

DATE. NOVEMBER.		ELECTRICITY.	SKY AND ATMOSPHERE.
SUNDAY .	14	The insulating lamp was not burning.	Overcast, with very slight exception throughout, and a little fine rain fell occasionally. Between 11h. P.M. and midnight the sky was partially clear, and three meteors were seen.
MONDAY .	15		Generally overcast. Rain fell during part of the morning and afternoon.
TUESDAY .	16	No electricity was shown.	A very fine day; light clouds prevailed.
WEDNESDAY	17		Generally overcast. An extremely dense fog prevailed throughout the day.
THURSDAY .	18		Dense fog prevailed throughout the morning, clearing away about noon; very fine during the remainder of the day, and light clouds were prevalent. Lunar corona at night.
FRIDAY .	19		Generally cloudy till evening, then cloudless.
SATURDAY .	20		A few light clouds prevailed during the afternoon, otherwise cloudless throughout. A very fine day. Hoar frost.

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·83 in. at the beginning of the week to 29·76 in. by noon on the 14th; increased to 29·91 in. by 9h. A.M. on the 15th; decreased to 29·80 in. by 3h. P.M. on the same day; increased to 30·35 in. by 9h. A.M. on the 18th; decreased to 30·13 in. by 3h. P.M. on the 19th; and was 30·18 in. at the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 47. 1869. Vol. XXX.] Week ending Saturday, November 27. [Price 1½*d.*

General Register Office, Somerset House,
29th November 1869.

In the week that ended on Saturday, 27th November, 4398 births, and 3559 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 28 per 1000 persons living.

The annual rate of mortality last week was 28 per 1000 in London, 25 in Edinburgh, and 24 in Dublin; 22 in Bristol, 29 in Birmingham, 30 in Liverpool, 32 in Manchester, 28 in Salford, 34 in Sheffield, 26 in Bradford, 29 in Leeds, 24 in Hull, 27 in Newcastle-upon-Tyne, and 35 in Glasgow.

The fatality from scarlet fever showed an increase last week in Sheffield, Hull, and Leeds, as well as in London, while it had considerably declined in Liverpool. The annual death-rate from the disease last week was 6·3 per 1000 in Sheffield, 5·4 in Hull, 3·6 in London, 3·1 in Leeds, and 2·7 in Liverpool.

In Paris the annual rate of mortality in the week ending last Saturday (27th Nov.) was 26 per 1000. The rate in Berlin during the seven days ending 25th instant was 26 per 1000. The 933 deaths registered in Paris included 27 fatal cases of small-pox; and of the 357 deaths in Berlin, 26 were referred to diphtheria.

In London the births of 1063 boys and 1017 girls, in all 2080 children, were registered last week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2170.

The deaths registered in London during the week were 1676. It was the forty-seventh week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1600. The deaths in the present return exceed by 76 the estimated amount, but are less by 183 than the number recorded in the preceding week.

The deaths from zymotic diseases were 474, the corrected average number being 360. Five deaths from small-pox, 50 from measles, 219 from scarlet fever, 7 from diphtheria, 70 from whooping-cough, 11 from typhus fever, 23 from enteric fever, 11 from simple continued fever, and 20 from diarrhœa were registered.

The mortality from scarlet fever was a little higher than in the preceding week. The epidemic was much more fatal in the East and the South Districts than in other parts of the Metropolis. Nineteen cases were registered in the West Districts, 38 in the North, 17 in the Central, 60 in the East, and 84 in the South Districts. Five cases were recorded in the sub-district of Mile End Old Town East, 6 in the sub-district of Bow, 14 in the sub-district of Poplar, 11 in the sub-district of St. James Bermondsey, 5 in the sub-district of St. Mary Magdalen Bermondsey, 8 in the sub-district of St. Peter Walworth, 6 in the sub-district of Kennington first part, 5 in the sub-district of Battersea, and 8 in the sub-district of Rotherhithe.

The son of a labourer, aged 7 years, died on 20th November at 22 Friendly-place Mile End Old Town, from "relapsing fever, bronchitis."

One hundred and eighty-seven persons died from phthisis, 250 from bronchitis, and 119 from pneumonia. The corrected average number of deaths from phthisis is 185, from bronchitis 207, and from pneumonia 122. In the preceding week which ended 20th November, the deaths from these diseases were 159, 265, and 138 respectively.

The deaths from diseases of the brain and nervous system were 61, and the deaths from diseases of the organs of circulation were 20, less than the numbers recorded in the previous week.

Seven hundred and eighty-seven children died under 5 years of age; of these 48 died from measles, 145 from scarlet fever, 68 from whooping-cough, 15 from diarrhœa, 8 from syphilis, 9 from want of breast milk, 13 from mesenteric disease, 22 from hydrocephalus, 48 from convulsions, 114 from bronchitis, 98 from pneumonia, 13 from teething, and 48 from atrophy and debility.

The deaths of 5 children and 2 adults from burns or scalds, of 2 persons from drowning, of 6 children and 2 adults from suffocation, and of 7 persons who committed suicide were registered.

The following deaths of 4 persons who were killed by horses or vehicles in the streets were recorded :—

A licensed victualler, aged 53 years, "fractured ribs; run over by a cab." Died on 19th November in Derby-street, King's-cross. (*Inquest.*)

A licensed victualler, aged 42 years, "knocked down by a van." Died on 20th November in the Workhouse, Mile End New Town. *Post mort.* (*Inquest.*)

The son of a tailor, aged 6 years, "run over by an omnibus." Died on 18th November in Mile End Road. (*Inquest.*)

The widow of a tin-plate-worker, aged 81 years, "fracture of ribs; run over by a Hansom cab." Died on 17th November in Guy's Hospital. *Post mort.* (*Inquest.*)

The waters supplied by the Metropolitan Companies during the month of November, contained (according to Professor Frankland's analysis) in 100,000 tons foreign solid matters amounting to 27 tons in the Chelsea water, 27 in the West Middlesex, 26 in the Southwark and Vauxhall, 27 in the Grand Junction, 29 in the Lambeth, 26 in the New River, 28 in the East London, and 40 in the Kent. 100,000 tons of the Chelsea water contained 22 tons, the West Middlesex 20 tons, the Southwark and Vauxhall 21 tons, the Grand Junction 21 tons, the Lambeth 20 tons, the New River 20 tons, the East London 21 tons, and the Kent 28 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

Professor Frankland remarks :—"The East London Company delivered water in "a turbid condition, the remaining companies supplied waters which were quite "clear and transparent. The suspended matter in the East London Company's "water contained living organisms. The water delivered by the New River "Company contained the smallest proportion of organic matter."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·513 in. The barometrical reading decreased from 30·18 in. at the beginning of the week to 29·03 in. on Monday, 22d November. The mean temperature of the air in the week was 41·0°, which is 0·1° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 49·9° on Friday, 26th November. The lowest night temperature was 26·8° on Sunday, 21st November. The entire range of temperature in the week was, therefore, 23·1°. The mean of the highest temperatures of the water of the Thames was 43·7°; that of the lowest was 42·4°. The difference between the mean dew-point temperature and air temperature was 3·4°. The mean degree of humidity of the air was 89, complete saturation being represented by 100. Rain fell to the amount of 1·16 in., of which 0·51 in. fell on Monday, 22d November, and 0·65 in. on Saturday, 27th November. The general direction of the wind was variable.

According to a return furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Barking was 181,354 cubic metres, equivalent to about as many tons by weight.

SIR, *Royal College of Chemistry, 24th November*, 1869.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of November. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Newcastle, Glasgow, Manchester, Bristol, Dublin, and Norwich, and by samples of Thames water taken at London Bridge at low and high water, also by the well waters from the artesian well in Trafalgar-square, from the Royal Mint, and from Barclay's Brewery.

The East London Company delivered water in a turbid condition, the remaining companies supplied waters which were quite clear and transparent. The suspended matter in the East London Company's water contained living organisms. The water delivered by the New River Company contained the smallest proportion of organic matter.

I have, &c.

The Registrar General, &c. &c. &c. E. FRANKLAND.

RESULTS OF ANALYSIS EXPRESSED IN PARTS PER 100,000.

COMPANIES.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
THAMES.											
Chelsea	6th November, Cab Rank, Horse Guards	10·0	27·34	·147	·018	·001	·240	·259	2090	1·75	22·0
West Middlesex	6th November, Cab Rank, Portland-road	9·6	26·94	·145	·016	·009	·224	·240	1920	1·73	20·0
Southwark and Vauxhall	6th November, Cab Rank, St. George's Church, Borough	10·4	26·20	·147	·021	·000	·228	·249	1960	1·72	20·5
Grand Junction	6th November, Cab Rank, Woodstock-st.	9·7	27·10	·153	·020	·000	·230	·250	1980	1·80	20·8
Lambeth	6th November, Cab Rank, Lambeth-road	9·4	28·70	·169	·021	·000	·268	·289	2360	1·75	20·0
OTHER SOURCES.											
New River	6th November, Cab Rank, Tottenham-court-road	9·4	25·90	·063	·008	·000	·264	·272	2320	1·60	20·2
East London	5th November, Slater's Lamp Black Works, Old Ford-road	11·0	27·60	·118	·021	·000	·164	·185	1320	1·88	20·8
Kent	5th November, Deptfd. Bdge, Police Stat.	11·1	40·10	·679	·014	·000	·395	·409	3630	2·38	27·8
EDINBURGH WATERS.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September 1868		23·40	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July 1868, Glasgow		3·00	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June 1868, Manchester		6·20	·183	·009	·006	·025	·039	0	1·117	3·7
Bristol	February 1869, Bristol Waterworks		28·66	·160	·017	·001	·203	·221	1720	1·300	24·46
Dublin	April 1869, Dublin Water Supply		6·34	·238	·024	·001	·000	·025	0	1·240	2·97
Norwich	September 1868, Norwich Water Supply		28·18	·227	·055	·000	·000	·055	0	2·631	23·68
Thames water, filtered	27th April 1869, London Bridge mid-stream, at low water		30·35	·455	·075	·032	·181	·282	1750	1·950	22·70
	27th April 1869, London Bridge mid-stream, at high water		92·85	·540	·122	·025	·394	·537	3830	31·500	23·90
Artesian well water	May 6th, 1869, Trafalgar Square, London		83·4	·150	·012	·070	·000	·070	260	16·55	5·92
Deep Chalk well water	June 1869, Royal Mint,		83·96	·195	·025	·060	·000	·074	170	13·92	17·48
Deep well water	July 1869, Barclay's Brewy., Sothwk.	12·1	73·3	·085	·008	·060	·000	·057	170	14·08	7·33
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 6th November at the Horse Guards' cab rank had a temperature of 10·0° C.; 100,000 lbs. of it contained 27·34 lbs. of solid impurity; the organic matter, consti-

tuting a portion of this impurity, contained ·147 lb. of carbon and ·018 lb. of nitrogen. This solid impurity also contained ·240 lb. of nitrogen in the form of nitrates and nitrites, besides ·001 lb. of ammonia, whilst the total amount of *combined* nitrogen in every form was ·259 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 2090 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·75 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 22·0 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—Births and Deaths Registered last Week, and in the Forty-seventh Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1785	1813	1853	1885	1970	1944	1926	2135	2260	2158	1972·9	2080
Males . .	904	926	939	1000	999	1004	957	1101	1168	1083	1008·1	1063
Females . .	881	887	914	885	971	940	969	1034	1092	1075	964·8	1017
Total Deaths	1307	1257	1434	1559	1475	1677	1471	1435	1426	1507	1454·8	1676
Males . .	661	659	728	811	756	825	738	716	699	748	734·1	852
Females . .	646	598	706	748	719	852	733	719	727	759	720·7	824

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Sept. 4.	Sept. 11.	Sept. 18	Sept. 25.	Oct. 2.	Oct. 9.	Oct. 16.	Oct. 23.	Oct. 30.	Nov. 6.	Nov. 13.	Nov. 20.	Nov. 27.
Deaths - - - -	1391	1601	1409	1362	1395	1367	1305	1476	1536	1772	1689	1859	1676*
Deaths under 5 years of age -	740	854	716	682	690	661	681	736	719	848	773	855	790
Deaths under 20 years of age	886	986	861	824	848	797	801	903	870	997	957	1024	931
Deaths 20—40 - - -	162	183	159	148	175	189	163	182	192	226	197	233	190
Deaths 40–60 - - -	153	198	197	198	178	199	177	178	240	223	245	246	249
Deaths at 60 years of age and upwards - - -	190	234	192	192	194	182	164	213	234	326	290	356	306
Deaths from Smallpox - -	5	5	6	8	6	4	8	3	2	9	9	6	5
„ „ Measles - -	19	38	21	22	20	22	27	27	29	46	31	50	50
„ „ Scarlet Fever -	170	179	178	191	238	216	224	233	229	241	218	208	219
„ „ Diphtheria -	7	8	13	9	6	9	14	11	11	8	10	7	7
„ „ Whooping-cough	75	70	64	49	51	51	60	67	45	74	69	69	70
„ „ Typhus fever -	9	12	6	9	8	9	7	9	8	11	10	13	11
„ „ Enteric fever -	25	22	21	23	22	14	16	23	30	18	14	27	23
„ „ Simple Cont^{d} fever	12	18	12	13	12	10	13	6	6	12	15	14	11
„ „ Diarrhœa - -	161	185	139	115	76	57	51	45	34	29	21	29	20
„ „ Phthisis - -	143	168	133	140	141	155	141	150	175	191	173	159	187
„ „ Bronchitis - -	50	79	63	62	64	74	72	101	150	219	227	265	250
„ „ Pneumonia -	53	54	45	54	50	54	56	70	102	114	133	138	119
„ „ Heart Disease -	43	48	46	55	55	59	55	57	60	66	70	79	69
Mean Temperature of the Air	56°·1	63°·5	58°·1	56°·8	58°·8	56°·7	54°·5	42°·7	40°·0	46°·6	41°·1	45°·8	41°·0
Mean Temperature of the Water of the Thames -	62·4	60·4	58·1	55·9	57·1	57·0	57·4	50·0	45·7	45·0	44·0	44·3	43·1
Humidity of the Air - -	66	75	82	78	81	86	85	84	79	81	79	88	89
Rain-fall in inches - -	0·00	0·69	1·85	0·12	0·81	0·02	0·25	0·90	0·21	0·27	0·08	0·10	1·16

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of May-fair was not received when the Tables were under preparation, but an average of 4, derived from the returns of six previous weeks, is substituted for the true number, which is 2.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 27th day of November 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 27th Nov.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 27th Nov.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4398**	**3244**	**3559**	**51·8**	**23·5**	**39·4**	**0·66**	**67**	**11·01**	**−4·72**	**4·11**	**167**
London (Metropolis . .	3,170,754	40·7	2070	2080	1462	1676	49·9	26·8	41·0	1·16	117	9·94	−2·88	5·00	295
Bristol . . (City) .	169,423	36·1	109	94	76	73 *	51·7	23·5	39·9	0·33	33	10·95	−4·72	4·39	84
Birmingham . (Borough) .	360,846	46·1	283	229	175	199	50·1	28·6	39·6	0·18	18	10·06	−1·88	4·23	46
Liverpool . . (Borough) .	509,052	99·7	345	338	295	289	51·2	29·7	41·2	0·85	86	10·67	−0·28	5·11	216
Manchester . (City) .	370,892	82·7	277	300	210	230 *	51·0	28·8	38·5	0·89	90	10·56	−1·77	3·61	226
Salford . . (Borough) .	119,350	23·1	89	95	60	65	49·9	26·2	38·8	0·82	83	9·94	−3·22	3·78	208
Sheffield . . (Borough) .	239,752	10·5	196	185	126	155	51·0	27·5	39·4	0·74	75	10·56	−2·50	4·11	188
Bradford . . (Borough) .	138,522	21·0	105	115	71	70	51·0	31·4	40·5	0·31	31	10·56	−0·34	4·72	79
Leeds . . . (Borough) .	253,110	11·7	189	156	129	139	51·0	32·0	40·6	0·24	24	10·56	0·00	4·78	61
Hull . . . (Borough) .	126,682	35·6	83	71	59	58	45·0	25·0	37·2	0·95	96	7·22	−3·89	2·89	241
Newcastle-on-Tyne (Borough)	130,503	24·5	90	88	69	67	..	..	..	..	..	..	..	..	..
Edinburgh . (City) .	178,002	40·2	112	133	86	84	49·7	29·0	39·3	0·30	30	9·83	−1·67	4·06	76
Glasgow . . (City) .	458,937	90·6	374	377	268	308	48·4	23·7	36·3	0·99	100	9·11	−4·61	2·39	251
Dublin (City and some suburbs)	320,762	32·9	219	137	158	146	51·8	26·0	39·7	0·78	79	11·01	−3·33	4·28	198
Paris . . . (City) .	1,889,842	..	..	..	..	933	..	..	..	..	..	..	..	..	..
				Week ending 20 Nov. 1869.		Week ending 20 Nov. 1869.	Week ending 20th November 1869.					Week ending 20th November 1869.			
Vienna . . (City) .	605,200	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(1867)			Week ending 25 Nov. 1869.		Week ending 25 Nov. 1869.	Week ending 25th November 1869.					Week ending 25th November 1869.			
Berlin . . (City) .	702,437	..	..	605	..	357	..	..	35·8	..	..	..	..	2·12	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G.V.Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 27th November, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2080	1676	5	50	219	7	70	45	20
WEST DISTRICTS -	341	239	-	3	19	1	7	7	4
NORTH DISTRICTS -	444	334	2	8	38	2	17	6	2
CENTRAL DISTRICTS -	212	177	-	2	17	1	8	5	1
EAST DISTRICTS -	471	409	3	17	60	2	15	12	6
SOUTH DISTRICTS -	612	517	-	20	85	1	23	15	7
WEST DISTRICTS.									
St. Mary Paddington *WH*	39	15	-	-	1	1	-	-	-
St. John Paddington H	18	17	-	-	3	-	-	1	-
Kensington Town *W* -	69	31	-	-	5	-	2	1	1
Brompton H - -	16	11	-	-	1	-	-	-	1
St. Peter Hammersmith	3	-	-	-	-	-	-	-	-
St. Paul Hammersmith	22	17	-	-	1	-	-	-	-
Fulham *W* - - -	11	4	-	-	-	-	1	-	-
Chelsea South H - -	19	17	-	2	-	-	1	-	-
Chelsea North-west H *Ww*	19	17	-	-	1	-	-	2	1
Chelsea North-east -	13	5	-	-	1	-	-	1	-
Hanover Square - -	10	4	-	-	1	-	-	-	-
May Fair *W* - -	4	4	-	-	-	-	-	-	-
Belgrave H - - -	33	25	-	-	1	-	1	1	-
St. John Westminster -	25	19	-	-	3	-	2	-	1
St. Margaret West. *WH*	17	27	-	-	-	-	-	1	-
St. James's Square -	1	4	-	-	-	-	-	-	-
Golden Square *W* -	9	9	-	1	-	-	-	-	-
Berwick-street - -	6	10	-	-	1	-	-	-	-
St. Anne Soho - -	7	3	-	-	-	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	14	9	-	-	1	-	-	1	-
Cavendish Square - -	6	2	-	-	-	-	-	-	-
Rectory Marylebone *W*	14	22	-	-	-	-	-	-	-
St. Mary Marylebone -	25	9	-	-	1	-	-	-	1
Christchurch Marylebone	27	15	-	-	2	-	1	-	-
St. John Marylebone -	22	14	-	1	4	-	1	-	-
Hampstead *W* - -	8	10	-	1	-	-	2	1	-
Regent's Park Pancras -	24	16	-	-	2	-	1	1	-
Tottenham-court *wH* -	10	17	-	-	-	-	1	-	-
Gray's Inn Lane H -	17	18	-	-	-	-	2	-	-
Somers Town - -	21	14	-	-	2	-	-	-	-
Camden Town *W* -	16	17	-	-	-	-	-	-	1
Kentish Town - -	45	22	-	2	1	1	1	-	-
Islington West* *WHH*	72	46	2	-	8	1	3	-	-
Islington East *Ww* -	57	43	-	2	4	-	4	-	-
Stoke Newington - -	5	2	-	-	1	-	-	-	-
Stamford Hill - -	7	7	-	-	3	-	1	-	-
West Hackney - -	15	11	-	-	1	-	-	1	-
Hackney *WHw* - -	24	32	-	1	5	-	-	2	-
South Hackney L -	15	8	-	1	3	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	8	7	-	-	-	-	-	-	-
St. Giles South *W* -	17	17	-	-	1	-	1	-	-
St. Giles North - -	7	7	-	-	-	-	-	1	-
Long Acre - - -	3	7	-	1	1	-	-	-	-
Charing Cross *WH* -	2	5	-	-	-	-	-	-	-
St. Mary-le-Strand -	1	8	-	-	1	-	1	-	-
St. Clement Danes H -	3	8	-	-	-	-	-	1	-
St. George-the-Martyr H	7	4	-	-	-	-	-	-	-
St. Andrew, East Holb. *W*	11	8	-	-	1	-	-	-	1
Saffron Hill - - -	5	8	-	-	1	-	1	-	-
St. James Clerkenwell *W*	14	11	-	-	2	-	1	1	-
Amwell Clerkenwell -	15	6	-	-	2	-	1	-	-
Pentonville - - -	16	3	-	-	1	-	1	-	-
Goswell-street - -	11	6	-	-	1	-	-	-	-
Old-street - - -	6	11	-	-	2	-	-	-	-
City-road HL - -	21	8	-	-	-	-	-	1	-
Whitecross-street -	9	6	-	-	3	-	-	-	-
Finsbury - - -	12	1	-	-	-	-	-	-	-
St. Botolph East London	10	6	-	-	-	-	2	1	-
Cripplegate - - -	11	7	-	-	-	-	-	-	-
West London North *WH*	9	13	-	1	-	-	-	-	-
West London South -	4	5	-	-	-	1	-	-	-
London City South-west	1	-	-	-	-	-	-	-	-
London City North-west	4	1	-	-	-	-	-	-	-
London City South -	1	2	-	-	-	-	-	-	-
London City South-east	1	6	-	-	-	-	-	-	-
London City North-east	3	6	-	-	1	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	6	5	-	-	-	-	-	2	-
St. Leonard Shrdtch. L†	10	7	-	-	2	-	-	-	-
Hoxton New Town *w* -	25	17	-	-	1	-	-	-	-
Hoxton Old Town - -	17	11	-	-	2	-	-	1	-
Haggerstone West *W* -	15	14	-	-	3	-	1	2	-
Haggerstone East - -	13	7	-	-	1	-	-	-	-
Hackney-road - -	34	13	-	2	1	-	-	2	-
Green, Bthnl. Grn. *WHL*†	41	37	-	2	2	-	1	1	2
Church, Bethnal Green -	16	10	-	-	3	-	-	1	-
Town, Bethnal Green -	19	18	-	-	-	-	2	-	1
Artillery Whitechapel -	4	8	-	1	2	-	1	-	-
Spitalfields - - -	5	7	-	1	1	1	-	-	-
Mile End New Town *W*	10	21	-	1	3	-	-	-	-
Whitechapel North -	11	7	-	-	1	-	-	-	-
Whitechapel Church H	5	8	-	-	-	-	-	-	-
Goodman's Fields - -	4	2	-	-	-	-	-	-	-
Aldgate - - - -	7	4	-	1	-	-	-	-	-
St. Mary St. Geo. East -	9	8	-	-	2	-	2	1	-
St. Paul St. Geo. East -	15	11	-	1	3	-	-	-	-
St. John St. Geo. East *W*	10	7	-	-	-	-	-	1	-
Shadwell *W* - - -	8	11	-	-	3	-	-	-	-
Ratcliff *W* - - -	10	8	-	-	-	-	-	-	-
Limehouse *W* - -	26	21	2	2	4	-	-	-	1
Mile End Old Town, West	40	17	-	-	1	-	3	-	1
Mile End Old T., East *Ww*	35	43	-	1	5	-	1	1	-
Bow *ww*L† - - -	38	40	1	-	6	1	3	-	1
Poplar *W* - - -	38	47	-	5	14	-	1	-	-
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	7	13	-	-	-	-	-	-	-
St. Saviour Southwark H	14	14	-	4	1	-	1	-	1
St. Olave Southwark H	-	9	-	-	1	1	-	-	-
St. John Horsleydown *W*	4	10	-	-	-	-	-	-	-
St. James Bermondsey -	33	39	-	1	11	-	5	1	1
St. Mary Magdalen *W* -	10	15	-	2	5	-	-	-	-
Leather Market - -	16	10	-	-	2	-	-	1	-
Kent-road - -	14	12	-	1	2	-	1	-	-
Borough-road *W* - -	10	10	-	-	2	-	-	-	-
London-road L - -	11	15	-	-	2	-	-	-	-
Trinity Newington -	17	11	-	-	1	-	-	-	-
St. Peter Walworth *W*	31	24	-	-	8	-	-	1	-
St. Mary Newington H	15	16	-	1	2	-	-	-	-
Waterloo-road 1st -	11	12	-	1	1	-	1	-	1
Waterloo-road 2nd -	22	12	-	-	3	-	1	-	-
Lambeth Church 1st -	14	11	-	1	2	-	-	-	-
Lambeth Church 2nd *W*	18	23	-	3	2	-	3	-	2
Kennington 1st - -	18	21	-	-	6	-	-	-	-
Kennington 2nd - -	20	12	-	1	2	-	1	-	-
Brixton - - - -	15	15	-	-	4	-	-	1	1
Norwood *W* - - -	10	3	-	-	-	-	-	-	-
Clapham - - -	15	9	-	-	1	-	-	-	-
Battersea *Ww* - -	34	24	-	1	5	-	-	1	-
Wandsworth L - -	13	3	-	-	-	-	-	-	-
Putney - - - -	4	4	-	-	-	-	1	-	-
Streatham - - -	2	4	-	-	1	-	-	-	-
Dulwich - - -	2	-	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	20	8	-	-	2	-	-	-	-
Peckham - - -	24	18	-	1	2	-	-	3	-
St. George Camberwell -	26	19	-	1	3	-	2	-	-
Rotherhithe *W* - -	28	21	-	-	8	-	1	2	-
St. Paul Deptford - -	40	23	-	-	4	-	1	-	-
St. Nicholas Deptford -	3	5	-	-	-	-	-	-	1
Greenwich West H -	16	15	-	1	-	-	1	2	-
Greenwich East *WH* -	10	12	-	-	1	-	-	2	-
Eltham - - - -	2	-	-	-	-	-	-	-	-
Lee - - - - -	11	6	-	-	-	-	1	-	-
Lewisham Village *W* -	7	5	-	1	-	-	-	-	-
Sydenham - - -	9	5	-	-	-	-	-	-	-
Charlton H - - -	5	1	-	-	-	-	-	-	-
Woolwich Dockyard H	7	2	-	-	-	-	-	-	-
Woolwich Arsenal H -	11	14	-	-	1	-	-	1	-
Plumstead, West - -	6	4	-	-	-	-	1	-	-
Plumstead, East - -	7	8	-	-	-	-	2	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
ww—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex - ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the FORTY-SEVENTH WEEK of each of the following Years.

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 26 1859	Nov 24 1860	Nov 23 1861	Nov 22 1862	Nov 21 1863	Nov 26 1864	Nov 25 1865	Nov 24 1866	Nov 23 1867	Nov 21 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 27, 1869. ALL AGES. Mean Temp	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	41°·1	39°·7	37°·5	38°·3	48°·6	42°·1	50°·6	39°·2	39°·6	39°·8	41°·7	41·0						
	ALL CAUSES . . .	1307	1257	1434	1559	1475	1677	1471	1435	1426	1507	1454·8	1676†	787	928	189	249	258	48
	SPECIFIED CAUSES .	1301	1252	1417	1550	1465	1671	1462	1414	1422	1498	1445·2	1664	779	920	189	249	258	48
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	290	260	353	429	368	402	331	277	250	311	327·1	474	319	408	37	19	8	2
II.	CONSTITUTIONAL „ .	249	268	274	272	253	294	292	272	249	258	268·1	272	56	76	94	76	25	1
III.	LOCAL „ .	556	539	578	667	647	761	636	658	703	733	647·8	729	309	337	52	133	187	20
IV.	DEVELOPMENTAL „ .	163	149	174	135	156	162	148	145	170	165	156·7	138	80	80	..	4	30	24
V.	VIOLENT DEATHS . .	43	36	38	47	41	52	55	62	50	31	45·5	51	15	19	6	17	8	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	261	233	332	403	339	368	310	253	223	292	301·4	449	300	389	34	18	6	2
	2. ENTHETIC „ . .	4	13	7	11	9	13	3	10	9	5	8·4	11	8	8	1	1	1	..
	3. DIETIC „ . .	25	13	12	12	18	19	13	12	14	11	14·9	11	9	9	1	..	1	..
	4. PARASITIC „ . .	..	1	2	3	2	2	5	2	4	3	2·4	3	2	2	1	..	..	..
II.	1. DIATHETIC „ . .	40	50	49	42	37	58	60	39	44	47	46·6	40	4	5	6	14	14	1
	2. TUBERCULAR „ . .	209	218	225	230	216	236	232	233	205	211	221·5	232	52	71	88	62	11	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	115	125	119	150	167	138	139	157	166	154	143·0	149	62	69	12	26	38	4
	2. „ OF ORGANS OF CIRCULATION .	67	53	68	79	65	87	79	64	74	91	72·7	73	2	7	9	29	23	5
	3. „ OF RESPIRATORY ORGANS . .	314	291	309	350	313	437	320	324	376	381	341·5	415	230	240	17	47	100	11
	4. „ OF DIGESTIVE ORGANS . .	39	42	55	57	69	62	58	81	41	55	55·9	54	11	12	8	19	15	..
	5. „ OF URINARY ORGANS . . .	13	19	13	20	21	15	26	21	33	33	21·4	26	4	6	4	7	9	..
	6. „ OF ORGANS OF GENERATION .	2	3	3	3	4	5	3	5	3	5	3·6	4	..	..	..	3	1	..
	7. „ OF ORGANS OF LOCOMOTION .	..	2	6	2	2	7	4	4	6	8	4·1	5	..	3	1	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	6	4	5	6	6	10	7	2	4	6	5·6	3	..	..	1	1	1	..
V.	1. DEV. DISEASES OF CHILDREN	40	20	33	37	34	34	30	44	52	39	36·3	32	32	32	..	..	..	..
	2. „ OF ADULTS . .	8	8	6	3	6	8	6	8	7	7	6·7	..	..	..	..	..	..	..
	3. „ OF OLD PEOPLE	66	68	68	49	57	62	59	44	44	60	57·7	50	..	..	..	..	26	24
	4. DISEASES OF NUTRITION .	49	53	67	46	59	58	53	49	67	59	56·0	56	48	48	..	4	4	..
V.	1. ACCIDENT OR NEGLIGENCE .	39	29	30	37	37	44	46	58	39	25	38·4	40	12	15	5	12	7	1
*	3. HOMICIDE	2	2	1	2	2	2	5	1	7	1	2·5	4	3	3	..	..	1	..
	4. SUICIDE	2	4	7	7	2	6	4	3	2	3	4·0	7	..	1	1	5	..	..
	5. EXECUTION	..	1	..	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	2	2	·4	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	2	3	4	..	6	2	2	1	..	..	2·0	..	..	..	..	..	..	..
	CAUSES NOT SPECIFIED . .	4	2	13	9	4	4	7	20	4	9	7·6	12†	8	8	..	..	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

† An average of 4 is added, without distinction of ages. See note *, page 414.

DEATHS in LONDON, from ALL CAUSES, Register

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 26 1859	Nov 24 1860	Nov 23 1861	Nov 22 1862	Nov 21 1863	Nov 26 1864	Nov 25 1865	Nov 24 1866	Nov 23 1867	Nov 21 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 27, 1869 — Deaths of Persons of the Age — ALL AGES. Mean Temp	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.
	Mean Temperature	41°1	39°7	37°5	38°3	48°6	42°1	50°6	39°2	39°6	39°8	41°7	41°0					
I.	ORDER 1.																	
	1. Small-pox	30	10	5	13	20	9	13	26	10	3	13·9	5	2	2	1	2	..
	2. Measles	31	41	20	83	12	53	39	26	53	12	37·0	50	48	49	1	..	..
	3. Scarlet Fever (Scarlatina)	84	40	117	106	119	90	55	42	32	118	80·3	219	145	213	6	..	..
	4. Diphtheria	13	17	27	13	16	10	9	3	16	15	13·9	7	3	6	1	..	..
	5. Quinsy	..	3	4	2	1	3	..	1	..	1	1·5	..	..	..	..	..	..
	6. Croup	7	16	20	18	12	21	11	17	15	15	15·2	10	10	10	..	..	..
	7. Whooping-cough	30	41	52	50	41	31	43	31	28	31	37·8	70	68	70	..	..	..
	8. Typhus	28	18	51	67	68	82	81	55	44	55	54·9	11	2	6	3	1	1
	— Enteric Fever												23	2	7	10	6	..
	— Simple continued Fever												11	5	8	..	2	1
	9. Erysipelas	7	5	4	9	9	13	7	4	6	9	7·3	5	..	..	1	2	1
	10. Puerperal Fever (Metria)	4	6	3	1	4	8	5	2	3	4	4·0	6	..	..	6	..	..
	11. Carbuncle	..	2	..	1	1	1	..	1	..	1	·7	1	..	..	..	..	1
	12. Influenza	..	1	1	..	2	2	1	3	..	..	1·0	..	..	..	..	..	..
	13. Dysentery	4	..	2	4	1	2	2	2	1	3	2·1	1	..	..	1	..	..
	14. Diarrhœa	13	16	19	25	11	23	28	26	13	9	18·3	20	15	15	..	2	2
	15. Simple Cholera	..	..	2	..	..	..	..	8	..	..	1·0	1	..	..	1	..	..
	16. Ague	..	..	..	..	..	..	..	1	..	2	·3	..	..	..	..	..	..
	17. Remittent fever	3	3	2	2	1	3	1	..	..	..	1·5	1	..	1	..	..	..
	18. Rheumatism	7	14	3	9	21	17	15	5	2	14	10·7	7	..	1	3	3	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..
	ORDER 2.																	
	1. Syphilis	4	10	2	10	8	12	3	9	9	4	7·1	9	8	8	1	..	..
	2. Stricture of Urethra	..	3	5	1	1	1	..	1	..	1	1·3	2	..	..	..	1	1
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																	
	1. Privation	1	2	..	1	1	1	..	..	1	..	·7	..	..	..	..	..	..
	2. Want of Breast-milk	12	5	8	3	10	10	5	9	9	4	7·5	9	9	9	..	..	..
	3. Purpura and Scurvy	2	3	..	2	1	2	2	1	1	2	1·6	1	..	..	..	..	1
	4. Alcoholism *a* Del. Tremens	4	1	2	4	4	4	3	1	3	3	2·9	1	..	..	1	..	..
	4. Alcoholism *b* Intemperance	6	2	2	2	2	2	3	1	..	2	2·2	..	..	..	..	..	..
	ORDER 4.																	
	1. Thrush	..	1	1	3	2	2	5	2	3	3	2·2	2	2	2	..	..	..
	2. Worms, &c.	..	..	1	..	..	..	..	..	1	..	·2	1	..	..	1	..	..
II.	ORDER 1.																	
	1. Gout	1	2	..	1	1	1	2	..	2	1	1·1	3	..	..	..	2	1
	2. Dropsy	14	12	16	17	14	18	22	6	9	12	14·0	12	4	5	1	2	4
	3. Cancer	24	34	29	22	18	34	31	30	28	30	28·0	23	..	..	5	10	8
	4. Cancrum Oris (Noma)	..	1	1	1	..	1	2	1	..	..	·7	..	..	..	..	..	..
	5. Mortification	1	1	3	1	4	4	3	2	5	4	2·8	2	..	..	..	..	1
	ORDER 2.																	
	1. Scrofula	7	7	6	12	11	9	8	6	11	10	8·7	10	7	9	..	1	..
	2. Tabes Mesenterica	9	12	22	14	22	15	27	22	19	17	17·9	13	13	13	..	..	..
	3. Phthisis	165	168	175	177	161	178	170	177	148	166	168·5	187	10	27	88	61	11
	4. Hydrocephalus	28	31	22	27	22	34	27	28	27	18	26·4	22	22	22	..	..	..
III.	ORDER 1.																	
	1. Cephalitis	7	7	9	9	16	9	6	9	13	9	9·4	13	10	11	2	..	..
	2. Apoplexy	31	34	28	48	42	31	30	38	42	32	35·6	34	2	4	3	12	14
	3. Paralysis	28	26	23	25	22	22	30	30	29	29	26·4	32	..	..	4	6	20
	4. Insanity	..	5	1	1	4	2	1	3	2	2	2·1	..	..	..	..	..	..
	5. Chorea	..	..	..	..	..	..	1	..	1	1	·3	..	..	..	..	..	..
	6. Epilepsy	5	9	4	8	8	4	5	5	10	5	6·3	4	..	..	1	3	..
	7. Convulsions	28	33	35	39	60	58	48	59	59	52	47·1	48	48	48	..	..	..
	8. *Brain Disease, &c.*	16	11	19	20	15	12	18	13	10	24	15·8	18	2	6	2	5	4
	ORDER 2.																	
	1. Pericarditis	..	1	3	2	..	..	3	1	5	4	1·9	2	..	..	..	1	1
	2. Aneurism	3	1	1	2	2	2	1	4	1	4	2·1	2	..	..	..	2	..
	3. *Heart Disease, &c.*	64	51	64	75	63	85	75	59	68	83	68·7	69	2	7	9	26	22
	ORDER 3.																	
	1. Laryngitis	4	4	8	11	5	8	5	4	4	3	5·6	5	4	5	..	..	..
	2. Bronchitis	198	137	170	186	158	226	184	195	205	223	188·2	250	114	120	5	36	81
	3. Pleurisy	4	4	1	2	5	4	3	1	4	6	3·4	3	..	..	2	..	1
	4. Pneumonia	73	124	104	103	114	161	92	94	132	112	110·9	119	98	101	7	4	6
	5. Asthma	28	12	15	30	15	11	16	9	12	19	16·7	15	..	..	1	6	8
	6. *Lung Disease, &c.*	7	10	11	18	16	27	20	21	19	18	16·7	23	14	14	2	1	4
	ORDER 4.																	
	1. Gastritis	1	2	5	2	..	4	2	2	3	3	2·4	..	..	..	..	..	..
	2. Enteritis	3	4	5	8	5	7	4	4	3	7	5·0	6	3	3	1	1	1
	3. Peritonitis	..	3	1	9	4	5	2	4	2	6	3·6	4	1	1	2	1	..
	4. Ascites	2	1	1	2	7	4	4	6	3	..	3·0	4	..	1	..	3	..
	5. Ulceration of Intestines	3	3	..	2	2	4	3	3	2	2	2·4	5	..	..	2	1	2
	6. Hernia	3	3	2	4	4	2	4	4	2	2	3·0	1	..	..	..	1	..
	7. Ileus	1	4	4	..	9	5	2	9	1	5	4·0	4	2	2	..	1	1
	8. Intussusception	1	1	2	2	..	4	3	..	4	..	1·7	1	1	1	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discoverin whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Case of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," c

h the FORTY-SEVENTH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Nov 26 1859	Nov 24 1860	Nov 23 1861	Nov 22 1862	Nov 21 1863	Nov 26 1864	Nov 25 1865	Nov 24 1866	Nov 23 1867	Nov 21 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, November 27, 1869. Deaths of Persons of the Ages: ALL AGES. Mean Temp.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	41°1	39°7	37°5	38°3	48°6	42°1	50°6	39°2	39°6	39°8	41°7	41°0						
	9. Stricture of Intestines	..	..	2	..	1	1	1	1	1	1	·8	..	..	..	..	..	..	..
	10. Fistula	..	..	1	..	1	..	1	..	1	..	·4	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	7	3	10	8	6	5	4	9	5	9	6·6	5	..	..	..	1	4	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	1	5	6	2	6	2	4	5	..	2	3·3	4	..	..	..	3	1	..
	14. Jaundice	3	..	6	..	4	3	6	4	5	5	3·6	6	3	3	..	1	2	..
	15. *Liver Disease, &c.*	14	13	10	17	20	15	18	30	9	13	15·9	14	1	1	3	6	4	..
	16. *Spleen Disease, &c.*	..	..	..	1	..	1	..	..	..	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	1	1	..	..	1	..	1	2	3	1	1·0	5	3	4	1	..	..	..
	2. Ischuria	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	5	2	7	7	9	8	16	9	11	13	8·7	14	1	2	3	4	5	..
	4. Diabetes	1	2	1	1	2	1	3	1	4	1	1·7	2	..	..	..	2	..	..
	5. Calculus (Stone)	..	1	..	4	2	..	..	2	1	3	1·3	..	..	..	..	..	..	..
	6. Cystitis	1	..	1	1	1	1	1	1	2	1	1·0	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	5	13	4	7	6	5	5	6	11	14	7·6	4	..	..	..	1	3	..
	ORDER 6.																		
	1. Ovarian Dropsy	1	1	1	2	1	1	..	1	..	..	·8	3	..	..	..	2	1	..
	2. *Uterus Disease, &c.*	1	2	2	1	3	4	3	4	3	5	2·8	1	..	..	..	1	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	1	..	..	..	1	..	..	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	..	1	6	2	2	6	4	4	6	8	3·9	5	..	3	1	1	..	..
	ORDER 8.																		
	1. Phlegmon	5	2	2	..	3	4	4	1	1	4	2·6	3	..	..	1	1	1	..
	2. Ulcer	1	..	2	3	2	2	2	..	1	1	1·4	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	..	2	1	3	1	4	1	1	2	1	1·6	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	21	7	19	22	19	14	21	25	28	20	19·6	15	15	15	..	..	..	..
	2. Cyanosis	2	1	..	1	2	4	..	2	3	3	1·8	2	2	2	..	..	..	..
	3. Spina Bifida	..	..	1	1	..	1	1	..	2	1	·7	..	..	..	..	..	..	..
	4. Other Malformations	5	2	2	1	1	1	..	2	4	2	2·0	2	2	2	..	..	..	..
	5. Teething	12	10	11	12	12	14	8	15	15	13	12·2	13	13	13	..	..	..	..
	ORDER 2.																		
	1. Paramenia	1	..	..	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	7	8	6	3	6	8	6	8	7	7	6·6	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Old Age	66	68	68	49	57	62	59	44	44	60	57·7	50	..	..	..	..	26	24
	ORDER 4.																		
	1. Atrophy and Debility	49	53	67	46	59	58	53	49	67	59	56·0	56	48	48	..	4	4	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	6	7	10	7	10	16	16	20	19	13	12·4	20	1	2	4	8	5	1
	2. Wounds	1	..	..	..	3	2	..	..	..	1	·7	..	..	..	..	..	..	..
	3. Burns and Scalds	16	7	7	7	7	6	13	17	8	6	9·4	7	4	6	1	..	..	..
	4. Poison	1	3	1	1	2	1	..	1	2	..	1·2	1	..	..	..	1	..	..
	5. Drowning	2	4	1	10	3	2	3	6	2	..	3·3	2	..	..	..	1	1	..
	6. Suffocation	11	6	7	9	10	15	13	12	8	4	9·5	8	6	6	..	1	1	..
	7. Otherwise	2	2	4	3	2	2	1	2	..	1	1·9	2	1	1	..	1	..	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	2	2	1	2	2	2	5	1	7	1	2·5	4	3	3	..	..	1	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	..	1	..	..	..	1	1	1	1	..	·5	1	..	..	1	..	..	..
	2. Poison	..	1	2	3	..	1	..	..	1	1	·9	3	..	..	..	3	..	..
	3. Drowning	..	1	2	..	1	1	1	1	..	2	·9	1	..	1	..	..	..	..
	4. Hanging	2	1	3	4	1	2	1	1	..	..	1·5	2	..	..	..	2	..	..
	5. Otherwise	..	..	..	..	..	1	1	..	..	..	·2	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	1	..	1	..	..	..	..	..	..	·2	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	2	2	·4	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	2	3	4	..	6	2	2	1	..	..	2·0	..	..	..	..	..	..	..
	Causes not specified or ill-defined	4	2	13	9	4	4	7	20	4	9	7·6	12†	8	8	..	..	..	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 4 is added, without distinction of ages. See note *, page 414.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 27th November, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
November.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	21	..	29·928	43·7	26·8	16·9	36·9	32·9	65·7	22·0	..	..	4·0	8·6	0·0	— 4·5	85	wsw. & sw.	wsw.& ssw.	1·8	0·0	0·1	261	0·00	1
Monday. .	22	Greatest Dec. N.	29·085	47·3	40·0	7·3	43·3	41·7	54·1	39·0	43·5	42·6	1·6	2·5	0·9	+ 2·1	94	SSW. & S.	sw.& ne.	4·9	0·0	0·7	307	0·51	2
Tuesday .	23	..	29·177	40·7	38·7	2·0	39·8	36·8	44·4	37·0	43·4	42·4	3·0	4·0	1·8	— 1·3	89	N. & N NW.	wsw,nw&n.	0·3	0·0	0·0	149	0·00	0
Wednesday	24	..	29·562	41·5	35·7	5·8	39·3	35·4	45·7	30·0	43·4	42·4	3·9	5·3	1·5	— 1·7	86	E.&NNE.	N. & N. by E.	0·2	0·0	0·0	138	0·00	0
Thursday.	25	..	29·739	44·6	32·5	12·1	37·5	33·8	47·7	26·8	43·5	42·1	3·7	8·6	0·3	— 3·4	86	n,nw,&wsw	wsw. & sw.	1·5	0·0	0·1	210	0·00	0
Friday . .	26	Last Quarter	29·622	49·9	44·0	5·9	46·5	40·4	52·6	39·4	43·7	41·6	6·1	7·1	3·4	+ 5·6	79	SW. & W.	WSW.	2·5	0·0	0·6	374	0·00	1
Saturday.	27	..	29·476	45·8	41·0	4·8	43·5	41·9	49·0	36·7	44·4	43·4	1·6	5·3	0·0	+ 2·4	94	WSW.	ese. & ene.	1·8	0·0	0·2	232	0·65	1
Means . .		..	29·513	44·8	37·0	7·8	41·0	37·6	51·3	33·0	(6 days) 43·7	(6 days) 42·4	3·4	5·9	1·1	— 0·1	89	Variable.		..	..	..	Sum 1671	Sum 1·16	0·7
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. November.		Electricity.	Sky and Atmosphere.
Sunday .	21	No electricity was shown.	A fine day; partially cloudy till evening; then overcast.
Monday .	22		Overcast. Rain fell heavily.
Tuesday .	23		Generally overcast. Very gloomy during the morning. The range of temperature for the day was 2° only.
Wednesday	24		Overcast. Fog.
Thursday .	25		Foggy throughout the morning; generally cloudless till evening; cloudy at night.
Friday .	26		A fine day; generally cloudy till evening; afterwards cloudless, but hazy.
Saturday .	27		Overcast. Rain commenced falling shortly before 9h. A.M., and fell steadily throughout the day, and until 6h. A.M. on the 28th. [The total fall of rain during these 21 hours amounted to 1·07 inch.]

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 30·18 in. at the beginning of the week to 29·03 in. by 9h. P.M. on the 22d; increased to 29·77 in. by 9h. A.M. on the 25th; decreased to 29·61 in. by 9h. A.M. on the 26th; increased to 29·64 in. by 3h. P.M. on the same day; and decreased to 29·34 in. by the end of the week.

WEEKLY RETURN

OF

BIRTHS AND DEATHS IN LONDON

AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 48. 1869. Vol. XXX.] Week ending Saturday, December 4. [Price 1*d.*

General Register Office, Somerset House,
6th December 1869.

In the week that ended on Saturday, 4th December, 4367 births, and 3630 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 29 per 1000 persons living.

The annual rate of mortality last week was 28 per 1000 in London, 30 in Edinburgh, and 26 in Dublin; 31 in Bristol, 28 in Birmingham, 27 in Liverpool, 29 in Manchester, 31 in Salford, 34 in Sheffield, 27 in Bradford, 29 in Leeds, 30 in Hull, 26 in Newcastle-upon-Tyne, and 36 in Glasgow.

The annual death-rate from scarlet fever last week was 5·0 per 1000 in Sheffield, 4·0 in London, 3·7 in Hull, 3·4 in Liverpool, and 2·7 in Leeds; the rate showed an increase upon the previous week in both London and Liverpool, while it had declined in each of the other three towns.

In Paris the annual rate of mortality in the week ending last Saturday (4th December) was 23 per 1000. The rate in Berlin during the seven days ending 2d instant, was 24 per 1000, and in Vienna 28 per 1000 during the week ending 27th ultimo. The deaths in Paris included 20 fatal cases of small-pox, and 29 of fever; and of the deaths in Berlin 21 were referred to diphtheria, and 7 were cases of suicide.

In London the births of 1125 boys and 1016 girls, in all 2141 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2136.

The deaths registered in London during the week were 1705. It was the forty-eighth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1627. The deaths in the present return exceed by 78 the estimated amount, and are 29 higher than the number recorded in the preceding week.

During the 21 hours commencing at 9 A.M. on Saturday, 27th November, and terminating at 6 A.M. on Sunday, 28th November, rain fell to the amount of 1·07 in. This unusual rain-fall was immediately followed by great cold. The mean temperature of the air, which on Saturday, 27th November, was 43·5°, decreased on Sunday, 28th November, to 41·4°. A further decline was daily recorded until the lowest mean temperature of the week (30·4°) was observed on Friday, 3d December. The lowest readings of the thermometer at night, during last week, were 35·0°, 32·5°, 30·5°, 29·0°, 28·8°, 24·0°, and 29·0°. Although the mortality in the Metropolis is high, the full effects of the cold do not yet appear in the returns.

The deaths from zymotic diseases were 508, the corrected average number being 370. Ten deaths from small-pox, 40 from measles, 245 from scarlet fever, 4 from diphtheria, 63 from whooping-cough, 13 from typhus fever, 18 from enteric fever, 18 from simple continued fever, and 19 from diarrhœa were registered.

The number of deaths from scarlet fever was the highest recorded during the present year. Thirty cases occurred in the West Districts, 48 in the North, 19 in the Central, 60 in the East, and 88 in the South Districts. Four cases were registered in the sub-district of St. John Paddington, 5 in the sub-district of St. Paul Hammersmith, 4 in the sub-district of Whitecross-street, 6 in the sub-district of Hackney-road, Bethnal-green, 4 in the Town sub-district of Bethnal-green, 7 in the sub-district of Mile End Old Town East, 7 in the sub-district of Bow, 10 in the sub-district of Poplar, 15 in the sub-district of St. James Bermondsey, 10 in the sub-district of St. Peter Walworth, 5 in the sub-district of Kennington first part, 7 in the sub-district of Peckham, and 5 in the sub-district of Rotherhithe.

Of the 40 deaths registered from measles, 23 occurred in the South Districts.

A charwoman, aged 40 years, died on 25th November in the London Fever Hospital from "relapsing fever, collapse."

The wife of a cab owner, aged 21 years, died on 27th November at 45 Frederick-street, Marylebone, from "relapsing fever (20 days)."

A bricklayer, aged 44 years, died on 29th November in King's College Hospital from "relapsing fever."

One hundred and fifty-three persons died from phthisis, 272 from bronchitis, and 106 from pneumonia. The corrected average number of deaths from phthisis is 181, from bronchitis 226, and from pneumonia 120. In the preceding week which ended 27th November, the deaths from these diseases were 187, 250, and 119 respectively.

The deaths of 2 persons from alcoholism, of 10 infants and 3 adults from syphilis, of 6 children from burns or scalds, of 7 persons from drowning, of 10 infants from suffocation, and of 2 persons who committed suicide were registered.

The following deaths of 5 persons who were killed by horses or vehicles in the streets were recorded :—

The daughter of a farrier, aged 5 years, "run over." Died on 1st October in Ledbury-road, Kensington. (*Inquest.*)

A boy, aged 6 years, "run over." Died on 14th October at 8 James-street, Kensington. (*Inq.*)

A carman, aged 46 years, "laceration of lungs and liver ; run over by a waggon." Died on 24th November in Adelaide-road North, Hampstead. *Post mort.* (*Inquest.*)

A butcher, aged 42 years, "pyæmia from fracture of leg ; run over." Died on 22d November in the Royal Free Hospital. *Post mort.* (*Inquest.*)

A whitesmith, aged 73 years, "fractured ribs ; run over by a cart." Died on 26th November in St. Bartholomew's Hospital. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·719 in. The barometrical reading increased from 29·22 in. on Tuesday, 30th November, to 30·08 in. by the end of the week. The mean temperature of the air in the week was 34·2°, which is 7·8° below the average of the same week in 50 years (as determined by Mr. Glaisher). On Wednesday, 1st December, the mean temperature was 9·8°, on Thursday, 2d December, 11·0°, on Friday, 3d December, 11·9°, and on Saturday, 4th December, 9·6° below the average. The highest day temperature was 46·6° on Sunday, 28th November. The lowest night temperature was 24·0° on Friday, 3d December. The entire range of temperature in the week was, therefore, 22·6°. The mean of the highest temperatures of the water of the Thames was 40·4° ; that of the lowest was 39·0°. The difference between the mean dew-point temperature and air temperature was 4·5°. The mean degree of humidity of the air was 83, complete saturation being represented by 100. Rain fell to the amount of 0·80 in. The general direction of the wind was variable.

On Friday, 3d December, the low temperature of 13° was recorded at Hull.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 245,874 cubic metres, and at Barking 194,438 cubic metres, equivalent to about as many tons by weight.

In the week that ended on 27th November, the daily average quantity of sewage pumped into the Thames at Crossness was 209,073 cubic metres.

LONDON.—Births and Deaths Registered last Week, and in the Forty-eighth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1827	1696	1791	1834	1938	1963	2071	2128	2017	2152	1941·7	2141
Males . .	915	870	880	971	1011	1016	1058	1085	1015	1117	993·8	1125
Females .	912	826	911	863	927	947	1013	1043	1002	1035	947·9	1016
Total Deaths	1304	1275	1424	1745	1442	1624	1368	1459	1588	1561	1479·0	1705
Males . .	642	638	721	858	747	826	707	714	826	749	742·8	850
Females .	662	637	703	887	695	798	661	745	762	812	736·2	855

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 4th day of December 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 4th Dec.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 4th Dec.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4367**	**3244**	**3630**	**48·5**	**13·0**	**33·4**	**0·61**	**62**	**9·17**	**−10·56**	**0·78**	**155**
London (Metropolis)	3,170,754	40·7	2070	2141	1462	1705	46·6	24·0	34·2	0·80	81	8·12	−4·44	1·22	203
Bristol (City)	169,423	36·1	109	112	76	101 *	48·5	18·9	34·6	1·59	161	9·17	−7·28	1·45	403
Birmingham (Borough)	360,846	46·1	283	214	175	193	47·2	25·1	34·2	1·14	115	8·44	−3·83	1·22	290
Liverpool (Borough)	509,052	99·7	345	332	295	268	46·0	23·4	33·8	0·35	35	7·78	−4·78	1·01	89
Manchester (City)	370,892	82·7	277	244	210	207 *	46·3	21·0	33·0	0·39	39	7·95	−6·11	0·56	99
Salford (Borough)	119,350	23·1	89	80	60	72	46·5	20·4	34·1	0·38	38	8·06	−6·45	1·17	97
Sheffield (Borough)	239,752	10·5	196	159	126	154	45·5	23·5	34·5	0·61	62	7·50	−4·72	1·39	155
Bradford (Borough)	138,522	21·0	105	99	71	71	44·6	24·0	32·3	0·17	17	7·01	−4·44	0·17	43
Leeds (Borough)	253,110	11·7	189	230	129	140	45·0	24·0	34·6	0·61	62	7·22	−4·44	1·45	155
Hull (Borough)	126,682	35·6	83	74	59	73	45·0	13·0	31·9	0·79	80	7·22	−10·56	−0·06	201
Newcastle-on-Tyne (Borough)	130,503	24·5	90	70	69	65	..	..	..	..	..	..	..	..	..
Edinburgh (City)	178,002	40·2	112	139	86	102	41·7	21·0	31·7	0·10	10	5·39	−6·11	−0·17	25
Glasgow (City)	458,937	90·6	374	327	268	317	39·8	19·7	30·7	0·04	4	4·34	−6·83	−0·72	10
Dublin (City and some suburbs)	320,762	32·9	219	146	158	162	44·8	25·0	35·3	1·00	101	7·12	−3·89	1·84	254
Paris (City)	1,889,842	..	..	..	..	846	..	..	..	..	..	..	..	..	..
				Week ending 27 Nov. 1869.		Week ending 27 Nov. 1869.	Week ending 27th November 1869.					Week ending 27th November 1869.			
Vienna (City)	605,200	..	..	..	..	319	..	..	39·6	..	..	..	..	4·30	..
	(1867)			Week ending 2 Dec. 1869.		Week ending 2 Dec. 1869.	Week ending 2d December 1869.					Week ending 2d December 1869.			
Berlin (City)	702,437	..	..	619	..	330	..	..	33·6	..	..	..	..	0·88	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 4th December, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2141	1705	10	40	245	4	63	49	19
WEST DISTRICTS -	292	264	-	5	30	1	9	4	6
NORTH DISTRICTS -	495	358	2	6	48	-	17	19	3
CENTRAL DISTRICTS -	210	185	-	2	19	2	6	5	1
EAST DISTRICTS -	490	358	6	4	60	1	14	12	2
SOUTH DISTRICTS -	654	540	2	23	88	-	17	9	7
WEST DISTRICTS.									
St. Mary Paddington *WH*	38	26	-	-	4	-	-	-	-
St. John Paddington H	9	15	-	-	4	-	-	1	-
Kensington Town *W* -	44	52	-	3	5	-	2	-	1
Brompton H - -	14	11	-	-	1	1	-	-	-
St. Peter Hammersmith	2	1	-	-	1	-	-	-	-
St. Paul Hammersmith	17	17	-	-	5	-	1	1	-
Fu'ham *W* - - -	19	18	-	-	-	-	1	-	2
Chelsea South H - -	10	19	-	-	-	-	-	-	2
Chelsea North-west H *Ww*	11	10	-	-	1	-	2	1	-
Chelsea North-east -	10	8	-	-	-	-	-	-	-
Hanover Square - -	10	2	-	-	-	-	-	-	-
May Fair *W* - -	3	5	-	-	-	-	-	-	-
Belgrave H - - -	31	24	-	1	2	-	1	-	-
St. John Westminster -	23	20	-	-	2	-	2	1	-
St. Margaret West. *WH*	21	16	-	1	2	-	-	-	1
St. James's Square -	7	2	-	-	2	-	-	-	-
Golden Square *W* -	8	7	-	-	-	-	-	-	-
Berwick-street - -	5	5	-	-	1	-	-	-	-
St. Anne Soho - -	10	6	-	-	-	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	22	24	-	1	3	-	1	1	-
Cavendish Square - -	9	4	-	-	1	-	-	1	-
Rectory Marylebone *W*	23	17	-	-	1	-	1	-	1
St. Mary Marylebone -	23	9	-	-	1	-	-	-	-
Christchurch Marylebone	23	9	-	-	-	-	1	-	-
St. John Marylebone -	30	12	-	2	2	-	-	2	-
Hampstead *W* - -	18	6	-	-	-	-	2	-	-
Regent's Park Pancras -	26	12	-	-	-	-	-	-	1
Tottenham-court *wH* -	17	13	-	-	2	-	-	-	-
Gray's Inn Lane H -	19	15	-	-	-	-	-	1	-
Somers Town - -	22	15	-	-	-	-	2	-	-
Camden Town *W* -	19	24	-	-	-	-	-	1	-
Kentish Town - -	48	28	-	1	4	-	2	-	-
Islington West* *WHH*	63	69	-	-	18	-	4	11	-
Islington East *Ww* -	65	46	1	1	7	-	4	-	1
Stoke Newington - -	4	3	-	-	-	-	-	-	-
Stamford Hill - -	5	2	-	-	-	-	-	-	-
West Hackney - -	14	8	-	-	-	-	-	-	-
Hackney *WHw* - -	31	21	-	1	5	-	-	2	-
South Hackney L -	14	21	1	-	4	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	14	12	-	-	-	-	-	-	-
St. Giles South *W* -	14	14	-	-	-	-	1	-	-
St. Giles North - -	2	5	-	-	-	-	-	-	-
Long Acre - - -	11	7	-	1	2	-	-	-	-
Charing Cross *WH* -	4	7	-	-	-	-	-	-	-
St. Mary-le-Strand -	3	-	-	-	-	-	-	-	-
St. Clement Danes H -	6	11	-	-	1	-	-	1	-
St. George-the-Martyr H	18	12	-	-	3	-	-	-	-
St. Andrew, East Holb. *W*	8	15	-	1	-	-	-	-	-
Saffron Hill - - -	2	3	-	-	-	-	-	-	-
St. James Clerkenwell *W*	11	6	-	-	-	-	-	-	-
Amwell Clerkenwell -	14	6	-	-	-	-	-	-	-
Pentonville - - -	9	9	-	-	-	-	-	1	-
Goswell-street - -	9	4	-	-	1	-	-	-	-
Old-street - - -	10	2	-	-	-	-	-	-	-
City-road HL - -	29	8	-	-	-	-	-	-	-
Whitecross-street - -	3	9	-	-	4	-	-	-	-
Finsbury - - - -	7	1	-	-	-	-	-	-	-
St. Botolph East London	6	9	-	-	1	-	1	-	-
Cripplegate - - -	9	5	-	-	-	-	3	-	-
West London North *WH*	-	15	-	-	4	-	-	1	-
West London South -	10	10	-	-	2	-	-	-	-
London City South-west	1	4	-	-	1	-	1	2	-
London City North-west	1	5	-	-	-	2	-	-	-
London City South -	2	-	-	-	-	-	-	-	-
London City South-east	4	4	-	-	-	-	-	-	-
London City North-east	3	2	-	-	-	-	-	-	1

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.
EAST DISTRICTS.								
Holywell Shoreditch -	10	3	-	-	1	-	-	-
St. Leonard Shrdtch. L†	13	7	-	-	2	-	-	-
Hoxton New Town *w* -	23	19	-	-	4	-	-	-
Hoxton Old Town - -	17	19	-	-	-	-	2	2
Haggerstone West *W* -	18	16	-	-	3	-	-	-
Haggerstone East - -	10	4	-	-	-	-	-	-
Hackney-road - -	33	15	-	-	6	-	-	-
Green, Bthnl. Grn. *WHL*†	42	32	-	-	4	-	2	2
Church, Bethnal Green -	25	10	-	2	3	-	-	1
Town, Bethnal Green -	23	6	-	-	4	-	-	-
Artillery Whitechapel -	2	2	-	-	-	-	-	-
Spitalfields - - -	16	4	-	-	-	-	-	-
Mile End New Town *W*	14	17	-	1	-	-	-	1
Whitechapel North -	8	2	-	-	-	-	-	-
Whitechapel Church H	4	12	-	-	2	-	1	-
Goodman's Fields - -	6	2	-	-	-	-	-	-
Aldgate - - - -	4	4	-	-	-	-	1	-
St. Mary St. Geo. East -	17	7	-	-	1	-	-	-
St. Paul St. Geo. East -	14	8	-	-	1	-	-	-
St. John St. Geo. East *W*	5	5	-	-	-	-	1	-
Shadwell *W* - - -	5	6	-	-	1	-	-	-
Ratcliff *W* - - -	11	7	-	-	1	-	-	-
Limehouse *W* - -	22	20	1	-	2	-	3	1
Mile End Old Town, West	19	18	-	-	1	-	1	2
Mile End Old T., East *Ww*	43	40	5	1	7	1	1	1
Bow *ww*L† - - -	50	41	-	-	7	-	-	2
Poplar *W* - - -	36	32	-	-	10	-	2	-
SOUTH DISTRICTS.								
Christchurch Sthwark. *W*	9	5	-	-	-	-	-	-
St. Saviour Southwark H	7	14	-	1	-	-	-	1
St. Olave Southwark H	1	15	-	-	-	-	-	-
St. John Horsleydown *W*	6	4	1	-	-	-	-	-
St. James Bermondsey -	31	52	-	4	15	-	2	-
St. Mary Magdalen *W* -	9	11	-	1	2	-	-	-
Leather Market - -	18	9	-	-	2	-	-	-
Kent-road - -	12	18	-	-	2	-	1	-
Borough-road *W* - -	13	5	-	-	1	-	-	-
London-road L - -	7	10	-	1	1	-	2	-
Trinity Newington -	24	10	-	-	4	-	2	-
St Peter Walworth *W*	31	33	-	-	10	-	-	-
St. Mary Newington H	11	10	-	-	2	-	1	-
Waterloo-road 1st -	9	8	-	-	-	-	1	-
Waterloo-road 2nd -	10	7	-	-	1	-	-	-
Lambeth Church 1st -	14	5	-	-	1	-	-	-
Lambeth Church 2nd *W*	30	33	-	3	2	-	1	2
Kennington 1st - -	32	29	-	-	5	-	-	2
Kennington 2nd - -	21	17	-	-	1	-	-	1
Brixton - - - -	33	10	-	-	2	-	-	1
Norwood *W* - - -	16	9	-	3	1	-	-	-
Clapham - - -	25	14	1	1	-	-	2	-
Battersea *Ww* - -	38	23	-	-	4	-	-	-
Wandsworth L - -	12	8	-	-	-	-	1	-
Putney - - - -	4	1	-	-	-	-	-	-
Streatham - - -	8	5	-	-	1	-	-	-
Dulwich - - -	1	1	-	-	-	-	-	-
Camberwell *WL*†*L*† -	21	14	-	-	2	-	-	-
Peckham - - -	25	21	-	2	7	-	-	-
St. George Camberwell -	25	20	-	1	3	-	-	-
Rotherhithe *W* - -	14	16	-	-	5	-	-	-
St. Paul Deptford - -	37	28	-	1	5	-	1	1
St. Nicholas Deptford -	4	3	-	-	2	-	-	-
Greenwich West H -	12	9	-	-	-	-	-	-
Greenwich East *WH* -	14	13	-	-	-	-	-	-
Eltham - - - -	2	-	-	-	-	-	-	-
Lee - - - -	6	1	-	-	-	-	-	-
Lewisham Village *W* -	8	7	-	1	-	-	1	1
Sydenham - - -	9	5	-	-	1	-	-	-
Charlton H - - -	4	6	-	-	1	-	-	-
Woolwich Dockyard H	7	3	-	-	-	-	-	-
Woolwich Arsenal H -	16	11	-	1	3	-	-	-
Plumstead, West - -	7	5	-	2	-	-	-	-
Plumstead, East - -	11	12	-	1	2	-	2	-

NOTE. The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - „ „ Tottenham-court sub-district.
West London - - „ „ Islington East.
East London - - „ „ Hackney sub-district.
St. Luke Middlesex - „ „ Hoxton New Town sub-district.
London City - - „ „ Mile End Old Town Eastern sub- and Bow sub-district.
Stepney - - - „ „ Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the FORTY-EIGHTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 3 1859	Dec. 1 1860	Nov 30 1861	Nov 29 1862	Nov 28 1863	Dec. 3 1864	Dec. 2 1865	Dec. 1 1866	Nov 30 1867	Nov 28 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 4, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	37°·3	41°·6	44°·5	37°·1	47°·9	43°·4	43°·7	38°·7	37°·7	42°·5	41°·4	Mean Temp. 34°·2						
	ALL CAUSES . . .	1304	1275	1424	1745	1442	1624	1368	1459	1588	1561	1479·0	1705	811	989	178	243	246	49
	SPECIFIED CAUSES .	1293	1267	1424	1740	1432	1615	1353	1454	1582	1545	1470·5	1702	809	986	178	243	246	49
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	312	242	319	453	364	397	352	276	309	341	336·5	508	321	441	31	19	16	1
II.	CONSTITUTIONAL „ .	222	265	246	270	266	247	237	295	266	291	260·5	240	48	70	77	67	24	2
III.	LOCAL „ .	559	598	658	775	559	732	554	679	778	703	659·5	744	312	341	52	144	183	24
IV.	DEVELOPMENTAL „ .	146	132	132	189	163	174	155	172	171	170	160·4	162	107	107	12	3	19	21
V.	VIOLENT DEATHS . .	54	30	69	53	80	65	55	32	58	40	53·6	48	21	27	6	10	4	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	286	228	299	420	342	375	324	256	272	313	311·5	484	303	423	30	17	13	1
	2. ENTHETIC „ . .	7	5	13	5	11	3	12	8	12	15	9·1	14	10	10	1	1	2	..
	3. DIETIC „ . .	15	9	6	26	10	17	13	8	17	11	13·2	10	8	8	..	1	1	..
	4. PARASITIC „ . .	4	..	1	2	1	2	3	4	8	2	2·7	..	..	..	..	..	..	..
II.	1. DIATHETIC „ . .	35	41	48	50	57	46	34	43	37	44	43·5	45	3	5	7	13	18	2
	2. TUBERCULAR „ . .	187	224	198	220	209	201	203	252	229	247	217·0	195	45	65	70	54	6	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	125	143	145	138	131	152	148	126	182	160	145·0	183	81	86	9	30	50	8
	2. „ OF ORGANS OF CIRCULATION .	62	59	76	78	69	76	57	72	70	71	69·0	63	2	8	8	23	24	..
	3. „ OF RESPIRATORY ORGANS . .	284	314	330	470	275	408	265	390	440	365	354·1	416	221	234	15	65	89	13
	4. „ OF DIGESTIVE ORGANS . . .	53	54	61	54	60	59	38	51	59	60	54·9	43	5	7	9	17	10	..
	5. „ OF URINARY ORGANS . . .	14	15	27	23	14	21	26	23	16	29	20·8	26	1	2	8	8	6	2
	6. „ OF ORGANS OF GENERATION .	6	2	5	2	3	7	8	6	2	7	4·8	1	..	..	1	..	..	..
	7. „ OF ORGANS OF LOCOMOTION .	4	4	4	2	4	4	7	7	4	7	4·7	8	1	3	2	1	2	..
	8. „ OF INTEGUMENTARY SYSTEM .	11	7	10	8	3	5	5	4	5	4	6·2	4	1	1	..	..	2	1
IV.	1. DEV. DISEASES OF CHILDREN	36	34	33	49	42	39	37	52	39	34	39·5	45	45	45	..	..	..	..
	2. „ OF ADULTS .	10	8	7	7	9	6	8	3	9	5	7·2	12	..	..	12	..	..	..
	3. „ OF OLD PEOPLE	61	38	55	65	58	63	61	50	54	76	58·1	35	..	..	..	..	14	21
	4. DISEASES OF NUTRITION .	39	52	37	68	54	66	49	67	69	55	55·6	70	62	62	..	3	5	..
V.	1 ACCIDENT OR NEGLIGENCE .	44	25	63	50	72	57	49	28	51	34	47·3	43	18	24	5	9	4	1
*	3. HOMICIDE	4	2	2	..	4	3	1	2	2	1	2·1	3	3	3	..	..	..	..
	4. SUICIDE	6	3	4	3	4	5	5	1	5	5	4·1	2	..	..	1	1	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	2	3	..	3	8	2	8	..	1	..	2·7	1	1	1	..	..	..	..
	CAUSES NOT SPECIFIED . .	9	5	..	2	2	7	7	5	5	16	5·8	2	1	2	..	..	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 3 1859	Dec. 1 1860	Nov 30 1861	Nov 29 1862	Nov 28 1863	Dec. 3 1864	Dec. 2 1865	Dec. 1 1866	Nov 30 1867	Nov 28 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 4, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards
	Mean Temperature	37°3	41°6	44°5	37°1	47°9	43°4	43°7	38°7	37°7	42°5	41°4	34°2						
I.	ORDER 1.																		
	1. Small-pox	39	4	4	14	19	8	12	29	14	3	14·6	10	6	8	2	..	..	..
	2. Measles	33	50	18	94	25	56	38	38	50	39	44·1	40	39	40	..	..	..	..
	3. Scarlet Fever (Scarlatina)	87	45	81	95	112	101	53	33	44	99	75·0	245	146	237	6	2	..	..
	4. Diphtheria	13	9	18	18	15	10	11	13	6	13	12·6	4	2	4	..	..	..	..
	5. Quinsy	1	1	6	3	6	1	1	2	1	..	2·2	..	..	..	..	..	..	..
	6. Croup	5	13	18	26	10	20	13	10	19	17	15·1	16	14	16	..	..	..	..
	7. Whooping-cough	24	40	55	43	26	41	48	38	36	30	38·1	63	63	63	..	..	..	..
	8. Typhus	41	23	51	74	70	83	88	51	55	59	59·5	13	2	5	5	3	..	..
	— Enteric Fever												18	1	10	3	2	3	..
	— Simple continued Fever												18	6	9	4	4	1	..
	9. Erysipelas	7	7	7	9	10	14	11	8	5	15	9·3	9	5	5	1	1	1	1
	10. Puerperal Fever (Metria)	3	4	6	5	12	11	5	3	9	3	6·1	5	..	..	4	1	..	..
	11. Carbuncle	2	..	..	1	2	1	..	1	3	2	1·2	3	..	..	..	1	2	..
	12. Influenza	1	2	2	2	1	..	1	1	3	..	1·3	3	3	3	..	..	..	..
	13. Dysentery	3	2	1	..	3	1	2	4	1	5	2·2	2	1	1	..	..	1	..
	14. Diarrhœa	16	19	20	19	20	13	24	15	19	12	17·7	19	14	15	1	..	3	..
	15. Simple Cholera	1	..	1	1	..	..	2	3	..	..	·8	2	..	2	..	..	..	..
	16. Ague	1	..	2	..	1	1	..	..	..	..	·5	..	..	..	..	..	..	..
	17. Remittent Fever	1	4	2	6	1	3	3	..	..	..	2·0	..	..	..	..	..	..	..
	18. Rheumatism	8	5	7	10	9	11	11	7	7	15	9·0	13	..	4	4	3	2	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	1	..	..	1	·2	1	1	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	6	4	9	4	8	3	12	5	12	13	7·6	13	10	10	1	1	1	..
	2. Stricture of Urethra	1	1	4	1	3	..	..	2	..	2	1·4	1	..	..	..	..	1	..
	3. Hydrophobia	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	..	..	4	..	1	1	..	2	1	1·0	..	..	..	..	..	..	..
	2. Want of Breast-milk	8	6	2	9	5	8	8	5	9	6	6·6	7	7	7	..	..	..	..
	3. Purpura and Scurvy	1	..	2	4	1	1	1	1	..	..	1·1	1	1	1	..	..	..	..
	4. Alcoholism (*a* Del. Tremens)	3	2	..	5	3	..	2	1	2	3	2·1	1	..	..	..	..	1	..
	(*b* Intemperance)	2	1	2	4	1	7	1	1	4	1	2·4	1	.	..	..	1	..	..
	ORDER 4.																		
	1. Thrush	4	..	1	2	1	2	3	3	8	2	2·6	..	..	..	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	3	2	..	3	1	1	2	..	5	2	1·9	2	..	..	..	1	1	..
	2. Dropsy	8	12	14	14	20	13	14	13	6	15	12·9	9	2	4	1	1	3	..
	3. Cancer	18	22	31	26	30	27	17	25	24	23	24·3	27	..	..	6	9	12	..
	4. Cancrum Oris (Noma)	..	1	1	1	2	1	..	..	2	..	·8	1	1	1	..	..	..	..
	5. Mortification	6	4	2	6	4	4	1	5	..	4	3·6	6	..	..	..	2	2	2
	ORDER 2.																		
	1. Scrofula	7	10	16	10	10	9	6	3	8	4	8·3	7	4	4	..	3	..	..
	2. Tabes Mesenterica	6	21	18	9	9	18	26	30	13	17	16·7	16	15	15	1	..	..	..
	3. Phthisis	145	166	148	169	157	145	148	194	183	192	164·7	153	10	27	69	51	6	..
	4. Hydrocephalus	29	27	16	32	33	29	23	25	25	34	27·3	19	16	19	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	14	9	12	6	14	10	8	9	19	12	11·3	11	7	8	2	1	..	..
	2. Apoplexy	30	29	33	37	36	36	33	23	50	39	34·6	42	4	5	3	13	16	5
	3. Paralysis	26	23	25	29	22	24	33	28	37	34	28·1	32	..	..	1	8	22	1
	4. Insanity	1	1	1	2	..	2	1	1	3	2	1·4	2	..	..	1	..	1	..
	5. Chorea	..	1	..	..	..	..	..	..	..	..	·1	1	..	..	..	1	..	..
	6. Epilepsy	9	6	6	7	5	8	8	4	7	2	6·2	5	..	..	1	2	1	1
	7. Convulsions	29	53	44	44	35	47	48	46	55	56	45·7	69	68	69	..	..	..	..
	8. *Brain Disease, &c.*	16	21	24	13	19	25	17	15	11	15	17·6	21	2	4	1	5	10	1
	ORDER 2.																		
	1. Pericarditis	2	2	..	3	4	2	1	3	1	4	2·2	..	..	..	..	..	..	..
	2. Aneurism	2	2	3	4	2	..	5	2	3	3	2·6	1	..	..	..	1	..	..
	3. *Heart Disease, &c.*	58	55	73	71	63	74	51	67	66	64	64·2	62	2	8	8	22	24	..
	ORDER 3.																		
	1. Laryngitis	6	7	11	14	6	9	2	3	11	5	7·4	3	3	3	..	..	..	..
	2. Bronchitis	167	166	198	269	155	234	158	242	246	217	205·2	272	126	132	9	49	70	12
	3. Pleurisy	5	1	5	2	2	2	4	2	2	6	3·1	3	..	1	..	2	..	..
	4. Pneumonia	79	126	87	131	92	125	88	113	143	110	109·4	106	86	89	3	7	7	..
	5. Asthma	17	8	17	35	11	14	4	14	22	15	15·7	19	..	..	1	6	11	1
	6. *Lung Disease, &c.*	10	6	12	19	9	24	9	16	16	12	13·3	13	6	9	2	1	1	..
	ORDER 4.																		
	1. Gastritis	3	1	1	..	1	3	1	1	2	..	1·3	2	..	..	1	1	..	..
	2. Enteritis	5	7	6	2	6	2	5	7	4	3	4·7	4	2	2	..	1	1	..
	3. Peritonitis	5	2	6	9	4	5	2	4	4	5	4·6	3	..	..	1	2	..	..
	4. Ascites	4	2	4	3	1	4	2	2	3	3	2·8	2	..	2	..	..	..	..
	5. Ulceration of Intestines	4	..	2	1	6	4	4	2	..	2	2·5	3	..	..	1	2	..	..
	6. Hernia	1	5	6	4	5	3	2	3	5	..	3·4	2	..	..	1	1	..	..
	7. Ileus	2	3	3	2	2	5	3	3	3	4	3·0	2	..	..	..	2	..	..
	8. Intussusception	..	..	2	..	1	..	..	..	..	..	·3	..	..	..	..	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

in the FORTY-EIGHTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 3 1859	Dec. 1 1860	Nov 30 1861	Nov 29 1862	Nov 28 1863	Dec. 3 1864	Dec. 2 1865	Dec. 1 1866	Nov 30 1867	Nov 28 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 4, 1869. ALL AGES. Mean Temp.	Deaths of Persons of the Ages: Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	37°3	41°6	44°5	37°1	47°9	43°4	43°7	38°7	37°7	42°5	41°4	34°2						
	9. Stricture of Intestines	1	2	3	1	..	1	1	..	1	2	1·2	3	..	..	..	2	1	..
	10. Fistula	..	1	..	2	1	1	..	2	1	1	·9	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	3	5	7	7	6	5	3	3	10	9	5·8	5	2	2	1	1	1	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	3	5	4	3	6	2	2	4	6	3	3·8	3	..	..	..	1	2	..
	14. Jaundice	5	3	3	1	5	1	1	1	5	12	3·7	1	..	..	..	..	1	..
	15. *Liver Disease, &c.*	16	18	13	19	16	23	11	18	15	16	16·5	13	1	1	4	4	4	..
	16. *Spleen Disease, &c.*	1	..	1	..	..	..	1	1	..	..	·4	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	1	1	..	..	1	2	1	..	..	5	1·1	2	1	1	..	..	1	..
	2. Ischuria	1	1	1	..	..	..	..	1	..	1	·5	2	..	..	..	1	1	..
	3. Bright's disease (Nephria)	5	10	6	13	6	9	12	7	5	9	8·2	10	..	1	3	5	1	..
	4. Diabetes	2	1	4	..	1	1	3	2	1	4	1·9	5	..	..	2	1	2	..
	5. Calculus (Stone)	1	..	2	2	..	1	..	2	..	..	·8	..	..	..	..	..	..	..
	6. Cystitis	..	..	4	..	1	1	1	..	2	..	·9	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	4	2	10	8	5	7	9	11	8	10	7·4	6	..	..	3	1	..	2
	ORDER 6.																		
	1 Ovarian Dropsy	2	1	2	..	2	..	1	1	..	..	·9	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	4	1	3	2	1	7	7	5	2	7	3·9	1	..	..	1	..	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	2	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	4	4	4	2	4	4	7	5	4	7	4·5	8	1	3	2	1	2	..
	ORDER 8.																		
	1. Phlegmon	5	5	5	..	1	1	..	2	1	1	2·1	1	..	..	..	..	1	..
	2. Ulcer	2	..	1	3	2	1	3	..	2	2	1·6	2	..	..	..	..	1	1
	3. *Skin Disease, &c.*	4	2	4	5	..	3	2	2	2	1	2·5	1	1	1	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	16	16	20	24	24	25	17	30	21	10	20·3	21	21	21	..	..	..	..
	2. Cyanosis	2	2	2	3	2	2	2	2	4	1	2·2	1	1	1	..	..	..	..
	3. Spina Bifida	1	1	..	..	1	..	..	..	1	..	·4	..	..	..	..	..	..	..
	4. Other Malformations	2	1	..	3	2	..	..	3	2	5	1·8	2	2	2	..	..	..	..
	5. Teething	15	14	11	19	13	12	18	17	11	18	14·8	21	21	21	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	..	1	1	..	1	..	..	..	..	·3	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	10	8	6	6	9	5	8	3	9	5	6·9	12	..	..	12	..	..	..
	ORDER 3.																		
	1. Old Age	61	38	55	65	58	63	61	50	54	76	58·1	35	..	..	..	..	14	21
	ORDER 4.																		
	1. Atrophy and Debility	39	52	37	68	54	66	49	67	69	55	55·6	70	62	62	..	3	5	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	15	5	15	13	23	25	15	11	25	11	15·8	16	..	2	3	6	4	1
	2. Wounds	1	..	4	..	1	3	2	..	1	..	1·2	..	..	..	..	..	..	..
	3. Burns and Scalds	8	9	7	13	14	8	6	6	7	9	8·7	6	5	6	..	..	..	..
	4. Poison	..	4	7	2	3	1	..	..	..	2	1·9	2	1	2	..	..	..	..
	5. Drowning	7	2	4	7	9	1	6	5	4	5	5·0	7	..	2	2	3	..	..
	6. Suffocation	11	5	25	14	16	16	16	5	12	5	12·5	10	10	10	..	..	..	..
	7. Otherwise	2	..	1	1	6	3	4	1	2	2	2·2	2	2	2	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	4	2	2	..	4	3	1	2	2	1	2·1	3	3	3	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	1	..	..	..	..	2	..	..	1	..	·4	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	1	1	1	1	1	1	3	1	..	2	1·2	1	..	..	..	1	..	..
	2. Poison	2	..	1	..	..	..	2	..	1	1	·7	..	..	..	..	..	..	..
	3. Drowning	..	1	1	1	1	..	..	..	1	1	·6	..	..	..	..	..	..	..
	4. Hanging	2	..	1	1	2	2	..	..	1	..	·9	1	..	..	1	..	..	..
	5. Otherwise	..	1	..	..	..	..	..	..	1	1	·3	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	2	3	..	3	8	2	8	..	1	..	2·7	1	1	1	..	..	..	..
	Causes not specified or ill-defined	9	5	..	2	2	7	7	5	5	16	5·8	2	1	2	..	..	..	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 4th December, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. Osler's. General Direction. P.M.	Wind. Osler's. Pressure on square foot. Greatest.	Wind. Osler's. Pressure on square foot. Least.	Wind. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone
November.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday	28	..	29·467	46·6	35·0	11·6	41·4	37·3	49·8	27·0	43·7	42·4	4·1	6·7	0·4	+ 0·1	85	Calm & N.W.	WNW.	7·9	0·0	0·7	359	0·42	0
Monday	29	In Equator	29·703	39·7	32·5	7·2	36·4	32·4	42·7	24·4	42·4	41·4	4·0	7·6	1·4	— 5·2	86	WNW. & WSW.	SW. & SE.	2·7	0·0	0·2	274	0·15	2
Tuesday	30	Perigee	29·570	39·2	30·5	8·7	34·8	29·3	42·2	26·0	42·1	40·7	5·5	10·6	2·2	— 7·1	80	ENE. & NNE.	N. & NNW.	7·3	0·0	1·0	379	0·19	0
December.																									
Wednesday	1	..	29·882	36·5	29·0	7·5	32·3	24·6	57·1	22·0	40·6	39·4	7·7	11·2	4·1	— 9·8	73	NNW. & N.	N. by W. & N.	2·9	0·0	0·5	378	0·00	0
Thursday	2	..	29·837	33·7	28·8	4·9	31·2	29·2	35·9	23·1	39·4	37·4	2·0	4·2	0·0	—11·0	92	N.	NE.	1·1	0·0	0·0	146	0·00	0
Friday	3	New	29·814	35·5	24·0	11·5	30·4	27·2	58·3	24·0	38·4	36·4	3·2	7·0	0·0	—11·9	87	NNW, W, & N.	N.	3·2	0·0	0·3	238	0·00	1
Saturday	4	..	29·759	36·7	29·0	7·7	32·6	27·5	38·9	23·5	36·4	35·4	5·1	11·2	0·0	— 9·6	81	NNW, NNE, & NE.	E. by N. & E.	16·7	0·1	1·2	416	0·04	3
Means		..	29·719	38·3	29·8	8·4	34·2	29·6	46·4	24·3	40·4	39·0	4·5	8·4	1·2	— 7·8	83	Variable.		..	..	..	Sum 2190	Sum 0·80	0·9
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date.		Electricity.	Sky and Atmosphere.
November.			
Sunday	28	The insulating lamp was not burning.	Rain fell throughout the morning hours till 6h. A.M.; fine afterwards, and partially cloudy till evening, then cloudless.
Monday	29		Partially cloudy in the morning, and a portion of a solar halo was observed for a short time; overcast after noon, and rain fell steadily till night.
Tuesday	30		Overcast, with rain in the morning; generally cloudless after 1h. P.M.
December.			
Wednesday	1		Partially cloudy in the morning, and a little snow fell; generally cloudless afterwards. A very fine day.
Thursday	2		Overcast. Gloomy during the morning.
Friday	3		Partially cloudy. Snow fell occasionally. At Hull the lowest temperature was recorded as 13°.
Saturday	4		In the early morning hours snow and rain fell; the sky remained cloudy till evening, afterwards cloudless.

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·34 in. at the beginning of the week to 29·90 in. by 9h. A.M. on the 29th; decreased to 29·22 in. by 4h. A.M. on the 30th of November; increased to 29·92 in. by 9h. P.M. on the 1st of December; decreased to 29·83 in. by 9h. P.M. on the 2d; increased to 29·87 in. by 9h. A.M. on the 3d; decreased to 29·60 in. by 9h. A.M. on the 4th; and increased to 30·08 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS
OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 49. 1869. VOL. XXX.] WEEK ENDING SATURDAY, DECEMBER 11. [Price 1*d.*

General Register Office, Somerset House, 13th December 1869.

IN THE WEEK that ended on Saturday, 11th December, 4699 BIRTHS, and 3873 DEATHS, were registered in LONDON and in THIRTEEN other LARGE TOWNS of the United Kingdom. The annual rate of mortality was 31 per 1000 persons living.

The annual rate of mortality last week was 29 per 1000 in London, 37 in Edinburgh, and 25 in Dublin; 33 in Bristol, 25 in Birmingham, 30 in Liverpool, 38 in Manchester, 32 in Salford, 41 in Sheffield, 31 in Bradford, 25 in Leeds, 29 in Hull, 30 in Newcastle-upon-Tyne, and 43 in Glasgow.

Scarlet fever continues fatally prevalent in several of the above large towns; the annual death-rate from the disease last week was 5·0 per 1000 in Sheffield, 4·9 in Hull, 3·4 in London, 2·7 in Leeds, and 2·5 in Bristol.

In Paris the annual rate of mortality in the week ending last Saturday (11th Dec.) was 24 per 1000; the 882 deaths included 23 fatal cases of small-pox against 27 and 20 in the two previous weeks.

In LONDON the BIRTHS of 1136 boys and 1131 girls, in all 2267 children, were registered last week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2107.

The DEATHS registered in LONDON during the week were 1759. It was the forty-ninth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1608. The deaths in the present return exceed by 151 the estimated amount, and are 54 higher than the number recorded in the preceding week.

The excess of deaths registered in the last two weeks is chiefly due to the low temperature which has recently prevailed.

The deaths from zymotic diseases were 443, the corrected average number being 355. Eleven deaths from small-pox, 35 from measles, 209 from scarlet fever, 8 from diphtheria, 71 from whooping-cough, 7 from typhus fever, 14 from enteric fever, 19 from simple continued fever, and 13 from diarrhœa were registered.

The deaths from scarlet fever were less by 36 than the number registered in the previous week. Thirteen cases occurred in the West Districts, 43 in the North, 17 in the Central, 66 in the East, and 70 in the South Districts. Five cases were recorded in the sub-district of Haggerstone East, 4 in the sub-district of Limehouse, 14 in the sub-district of Poplar, 11 in the sub-district of St. James Bermondsey, 9 in the sub-district of St. Peter Walworth, and 6 in the sub-district of Rotherhithe.

A female, aged 40 years, died on 5th December at 26 Smith-square, Westminster, from "choleraic diarrhœa (27 hours)."

A female servant, aged 20 years, died on 2d December in the London Fever Hospital from "relapsing fever."

The daughter of a weaver, aged 4 years, died on 7th December at 63 Hare-street, Bethnal-green, from "relapsing fever."

A labourer, aged 40 years, died on 7th December in Queen-street, Greenwich, from "relapsing fever."

148 persons died from phthisis, 259 from bronchitis, and 122 from pneumonia.

The deaths of 9 nonagenarians were registered during the week, and the widow of a labourer died on 5th December in the Workhouse, St. Mary Paddington, at the age (as stated) of 101 years.

A picture frame-maker, aged 18 years, died on 4th December in the Royal Free Hospital, from "congestion of the brain, accelerated by want of food." *Post mort.*

A charwoman, aged 65 years, was found dead on 4th December at 117 Whitfield-street, Tottenham-court-road, from "disease of the lungs, accelerated by exposure and cold." *Post mort.* (*Inquest.*)

The deaths of 7 infants from syphilis, of 13 children and 2 adults from burns or scalds, of 6 persons from drowning, of 6 infants and one adult from suffocation, and of 8 persons who committed suicide were recorded.

The following deaths of 5 persons who were killed by horses or vehicles in the streets were registered :—

A labourer, aged 40 years, "fracture of leg; run over by a timber carriage." Died on 1st December in St. Bartholomew's Hospital. (*Inquest.*)

A painter, aged 35 years, "fracture of skull; fell from a wagonette." Died on 5th December in St. Bartholomew's Hospital. *Post mort.* (*Inquest.*)

A gentleman, aged 65 years, "compound fracture of leg; run over by a cart." Died on 7th December in Guy's Hospital. (*Inquest.*)

A carman, aged 79 years, "fracture of ribs; knocked down by a horse and phæton." Died on 7th December in Guy's Hospital. *Post mort.* (*Inquest.*)

A painter, aged 79 years, "run over." Died on 20th November, in the Union House, Greenwich. *Post mort.* (*Inquest. Manslaughter.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·886 in. The barometrical reading decreased from 30·40 in. on Monday, 6th December, to 29·25 in. on Saturday, 11th December. The mean temperature of the air in the week was 39·2°, which is 2·3° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 49·8° on Saturday, 11th December. The lowest night temperature was 28·6° on Sunday, 5th December. The entire range of temperature in the week was, therefore, 21·2°. The lowest night temperatures recorded during the week were 28·6°, 35·2°, 32·8°, 37·6°, 38·3°, 38·0°, and 40·7°. The mean of the highest temperatures of the water of the Thames was 37·3°; that of the lowest was 35·4°. The difference between the mean dew-point temperature and air temperature was 1·9°. The mean degree of humidity of the air was 93, complete saturation being represented by 100. Rain fell to the amount of 0·43 in. The general direction of the wind was E.N.E.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 189,244 cubic metres, and at Barking 163,764 cubic metres, equivalent to about as many tons by weight.

The Registrar General has to acknowledge the courtesy of the London Water Companies, who have furnished him with the average daily quantity of Water supplied for the month of November 1869: thus, according to their account, 97,329,081 gallons or 442,211 cubic metres of water (equal to about as many *tuns* by measure, *tons* by weight) were supplied daily; or 93·3 decalitres, rather less than a *ton* by weight, to each house, and 13·2 decalitres (= 28·9 gallons) to each person.

Companies.	Number of Houses, &c. supplied in		Average daily Supply of Water in Gallons (including that for Manufactures and for various purposes other than for domestic consumption) during the Month of	
	October 1869.	November 1869.	October 1869.	November 1869.
Total Supply	469,504	473,876	103,363,482	97,329,081
From Thames	214,824	219,082	53,102,902	50,012,445
From Lea and from other Sources	254,680	254,794	50,260,580	47,316,636
Thames.				
Chelsea	27,485	27,435	8,474,400	7,640,300
West Middlesex	40,016	40,163	8,339,182	7,785,674
Southwark and Vauxhall	72,596	76,623	15,260,382	15,169,232
Grand Junction	30,929	30,929	10,393,838	9,643,339
Lambeth	43,848	43,932	10,635,100	9,773,900
Lea and other Sources.				
New River	117,076	117,190	24,402,000	22,416,000
East London	98,944	98,944	18,889,000	17,802,000
Kent	38,660	38,660	6,969,580	7,098,636

Note.—The Return for November as compared with that for October shows an increase of 4,372 houses, and a decrease of 6,034,401 gallons of water supplied daily.

LONDON.—Births and Deaths Registered last Week, and in the Forty-ninth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1838	1814	1656	1829	1795	1961	2162	1970	1959	2171	1915·5	2267
Males	920	923	837	914	941	1020	1074	983	1008	1136	975·6	1136
Females	918	891	819	915	854	941	1088	987	951	1035	939·9	1131
Total Deaths	1289	1240	1300	1619	1376	1522	1433	1584	1588	1672	1462·3	1759*
Males	636	597	666	802	724	760	700	795	786	826	729·2	954
Females	653	643	634	817	652	762	733	789	802	846	733·1	805

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of St. Leonard Shoreditch was not received when the Tables were under preparation, but an average of 10, derived from the returns of six previous weeks, is inserted.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 11th day of December 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 11th Dec.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 11th Dec.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	Rain Fall. In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4699**	**3244**	**3873**	**50·8**	**24·0**	**37·0**	**0·40**	**40**	**10·45**	**−4·44**	**2·78**	**102**
London (Metropolis)	3,170,754	40·7	2070	2267	1462	1759	49·8	28·6	39·2	0·43	43	9·89	−1·88	4·00	109
Bristol (City)	169,423	36·1	109	115	76	108 *	49·2	26·5	37·2	0·19	19	9·55	−3·05	2·89	48
Birmingham (Borough)	360,846	46·1	283	285	175	174	47·8	30·4	37·5	0·18	18	8·78	−0·89	3·06	46
Liverpool (Borough)	509,052	99·7	345	379	295	293	49·1	32·2	38·0	0·33	33	9·50	0·11	3·33	84
Manchester (City)	370,892	82·7	277	258	210	271 *	47·0	32·0	38·8	0·25	25	8·33	0·00	3·78	63
Salford (Borough)	119,350	23·1	89	89	60	74	46·6	30·5	38·1	0·28	28	8·12	−0·83	3·39	71
Sheffield (Borough)	239,752	10·5	196	180	126	187	47·0	29·0	38·2	0·25	25	8·33	−1·67	3·44	63
Bradford (Borough)	138,522	21·0	105	100	71	83	48·2	31·0	39·9	0·20	20	9·00	−0·56	4·39	51
Leeds (Borough)	253,110	11·7	189	198	129	123	48·0	34·0	39·2	0·37	37	8·89	1·11	4·00	94
Hull (Borough)	126,682	35·6	83	84	59	71	46·0	31·0	38·1	0·43	43	7·78	−0·56	3·39	109
Newcastle-on-Tyne (Borough)	130,503	24·5	90	91	69	74	46·0	32·0	39·7	0·44	44	7·78	0·00	4·28	112
Edinburgh (City)	178,002	40·2	112	144	86	126	48·7	27·0	37·7	0·40	40	9·28	−2·78	3·17	102
Glasgow (City)	458,937	90·6	374	334	268	378	48·3	24·0	35·5	1·47	148	9·06	−4·44	1·95	373
Dublin (City and some suburbs)	320,762	32·9	219	175	158	152	50·8	32·0	40·9	0·36	36	10·45	0·00	4·94	91
Paris (City)	1,889,842	..	..	..	..	882	..	..	..	..	..	..	..	..	..
				Week ending 4 Dec. 1869.		Week ending 4 Dec. 1869.		Week ending 4th December 1869.					Week ending 4th December 1869.		
Vienna (City)	605,200	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 9 Dec. 1869.		Week ending 9 Dec. 1869.		Week ending 9th December 1869.					Week ending 9th December 1869.		
Berlin (City)	(1867) 702,437	..	..	..	..	..	..	..	..	..	..	..	..	..	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General. and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester: G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland. the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 11th December, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2267	1759	11	35	209	8	71	40	13
WEST DISTRICTS -	333	288	-	8	13	3	15	4	2
NORTH DISTRICTS -	489	322	3	5	43	1	11	13	4
CENTRAL DISTRICTS -	186	185	-	2	17	-	4	5	1
EAST DISTRICTS -	507	399	1	12	66	-	17	9	3
SOUTH DISTRICTS -	752	565	7	13	70	4	24	9	3
WEST DISTRICTS.									
St. Mary Paddington *WH*	47	20	-	-	2	-	1	-	-
St. John Paddington H	13	10	-	1	-	-	-	-	-
Kensington Town *W* -	47	51	-	2	1	-	2	-	1
Brompton H - -	13	12	-	-	1	-	-	-	-
St. Peter Hammersmith	4	1	-	-	-	-	-	-	-
St. Paul Hammersmith	25	15	-	-	2	-	-	-	-
Fu'ham *W* - - -	18	17	-	-	-	-	-	-	-
Chelsea South H - -	16	16	-	-	-	1	-	1	-
Chelsea North-west H *Ww*	24	19	-	-	-	-	2	-	-
Chelsea North-east -	17	7	-	-	1	-	-	-	-
Hanover Square - -	9	10	-	-	-	-	-	-	-
May Fair *W* - -	7	9	-	-	-	-	-	-	-
Belgrave H - - -	27	28	-	-	2	1	4	1	-
St. John Westminster -	27	22	-	-	3	-	2	-	1
St. Margaret West. *WH*	22	34	-	-	1	1	4	1	-
St. James's Square -	3	2	-	-	-	-	-	-	-
Golden Square *W* -	3	6	-	-	-	-	-	-	-
Berwick-street - -	7	2	-	-	-	-	-	-	-
St. Anne Soho - -	4	7	-	-	-	-	1	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	22	14	-	-	1	-	-	-	-
Cavendish Square - -	4	4	-	-	3	-	-	-	-
Rectory Marylebone *W*	18	16	-	-	1	1	-	-	-
St. Mary Marylebone -	14	8	-	-	2	-	-	-	-
Christchurch Marylebone	33	17	-	-	1	-	3	-	-
St. John Marylebone -	18	15	-	-	2	-	-	-	-
Hampstead *W* - -	23	4	-	-	-	-	-	1	1
Regent's Park Pancras -	27	14	-	-	1	-	-	1	1
Tottenham-court *w*H -	10	13	-	-	2	-	-	-	-
Gray's Inn Lane H -	18	12	-	-	2	-	-	1	-
Somers Town - -	21	23	-	-	2	-	1	1	-
Camden Town *W* -	12	12	-	-	-	-	-	1	1
Kentish Town - -	45	29	-	1	1	-	3	1	-
Islington West* *WHH*	67	53	3	-	11	-	2	6	-
Islington East *Ww* -	68	35	-	2	3	-	1	1	-
Stoke Newington - -	3	2	-	-	-	-	-	-	-
Stamford Hill - -	4	2	-	-	1	-	-	-	-
West Hackney - -	19	12	-	-	-	-	-	-	-
Hackney *Wlw* - -	35	23	-	2	7	-	-	-	1
South Hackney L -	28	14	-	-	3	-	1	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	3	3	-	-	1	-	-	-	-
St. Giles South *W* -	20	12	-	-	-	-	1	-	-
St. Giles North - -	8	12	-	-	2	-	-	-	-
Long Acre - - -	7	7	-	-	-	-	-	-	1
Charing Cross *WH* -	5	8	-	-	-	-	-	-	-
St. Mary-le-Strand -	5	5	-	-	1	-	-	-	-
St. Clement Danes H -	4	9	-	-	-	-	-	-	-
St. George-the-Martyr H	5	9	-	-	1	-	-	-	-
St. Andrew, East Holb. *W*	5	11	-	-	-	-	-	-	-
Saffron Hill - - -	2	13	-	1	1	-	-	1	-
St. James Clerkenwell *W*	14	11	-	-	-	-	1	-	-
Amwell Clerkenwell -	14	3	-	-	-	-	-	1	-
Pentonville - - -	6	6	-	-	2	-	-	-	-
Goswell-street - -	11	6	-	-	-	-	-	1	-
Old-street - - -	4	6	-	-	1	-	-	-	-
City-road HL - -	17	5	-	-	2	-	1	-	-
Whitecross-street -	13	7	-	1	2	-	-	-	-
Finsbury - - -	6	4	-	-	-	-	-	-	-
St. Botolph East London	8	6	-	-	1	-	-	-	-
Cripplegate - - -	8	6	-	-	1	-	-	-	-
West London North *WH*	5	19	-	-	1	-	1	2	-
West London South -	6	9	-	-	-	-	-	-	-
London City South-west	1	1	-	-	-	-	-	-	-
London City North-west	3	-	-	-	-	-	-	-	-
London City South -	1	1	-	-	-	-	-	-	-
London City South-east	4	2	-	-	-	-	-	-	-
London City North-east	1	4	-	-	1	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.
EAST DISTRICTS.								
Holywell Shoreditch -	10	5	-	-	-	-	-	1
St. Leonard Shrditch. L†	14	10	-	-	-	-	-	-
Hoxton New Town *w* -	19	20	-	-	4	-	-	1
Hoxton Old Town - -	17	12	-	-	3	-	2	-
Haggerstone West *W* -	22	13	-	-	1	-	1	-
Haggerstone East - -	16	14	-	-	5	-	-	1
Hackney-road - -	27	15	-	1	1	-	1	-
Green, Bthnl. Grn. *WHL*†	33	36	-	-	3	-	1	1
Church, Bethnal Green -	20	12	-	2	2	-	-	-
Town, Bethnal Green -	19	8	-	1	3	-	-	1
Artillery Whitechapel -	5	6	-	-	1	-	-	1
Spitalfields - - -	13	8	-	-	-	-	-	1
Mile End New Town *W*	23	17	-	1	1	-	1	-
Whitechapel North -	8	7	-	-	-	-	-	-
Whitechapel Church H	5	18	-	-	1	-	-	1
Goodman's Fields - -	6	4	-	-	2	-	-	-
Aldgate - - - -	5	6	-	1	-	-	-	-
St. Mary St. Geo. East -	11	11	-	-	-	-	2	-
St. Paul St. Geo. East -	22	20	-	-	2	-	1	-
St. John St. Geo. East *W*	5	10	-	-	2	-	-	-
Shadwell *W* - - -	12	2	-	-	1	-	-	-
Ratcliff *W* - - -	18	11	-	-	2	-	2	-
Limehouse *W* - -	24	8	-	-	4	-	-	-
Mile End Old Town, West	25	20	-	-	4	-	4	-
Mile End Old T., East *Ww*	36	36	1	3	4	-	1	1
Bow *ww*L† - - -	54	36	-	1	6	-	1	-
Poplar *W* - - -	38	34	-	2	14	-	-	-
SOUTH DISTRICTS.								
Christchurch Sthwark. *W*	11	6	-	-	1	-	1	-
St. Saviour Southwark H	10	7	-	-	-	-	1	-
St. Olave Southwark H	1	11	-	-	-	-	-	-
St. John Horsleydown *W*	10	3	-	-	1	-	-	-
St. James Bermondsey -	66	35	-	-	11	-	2	-
St. Mary Magdalen *W* -	12	17	1	-	4	-	1	1
Leather Market - -	6	5	-	2	-	-	-	-
Kent-road - -	10	13	-	-	2	-	1	-
Borough-road *W* - -	11	9	-	1	-	-	-	-
London-road L - -	18	17	1	-	1	-	-	-
Trinity Newington -	18	8	2	-	2	-	-	1
St. Peter Walworth *W*	63	35	1	-	9	-	1	1
St. Mary Newington H	17	5	-	-	2	-	-	-
Waterloo-road 1st -	13	4	-	1	-	-	-	-
Waterloo-road 2nd -	12	13	-	2	1	-	2	-
Lambeth Church 1st -	9	11	-	-	1	-	-	-
Lambeth Church 2nd *W*	30	20	-	1	2	-	-	-
Kennington 1st - -	24	22	-	-	2	-	-	-
Kennington 2nd - -	22	11	-	-	-	-	-	-
Brixton - - - -	24	17	1	-	1	1	1	-
Norwood *W* - - -	8	6	-	-	1	-	-	-
Clapham - - -	22	12	-	-	2	-	1	-
Battersea *Ww* - -	52	27	-	1	1	1	1	1
Wandsworth L - -	5	10	-	-	-	-	1	-
Putney - - - -	2	4	-	-	1	-	2	-
Streatham - - -	13	5	-	-	-	-	-	-
Dulwich - - -	2	1	-	-	-	1	-	-
Camberwell *WL*†*L*† -	26	21	-	-	-	-	-	-
Peckham - - -	26	25	-	1	3	-	-	-
St. George Camberwell -	35	22	1	-	4	-	-	-
Rotherhithe *W* - -	28	21	-	1	6	-	-	-
St. Paul Deptford - -	43	37	-	-	4	-	1	1
St. Nicholas Deptford -	5	10	-	-	1	-	-	1
Greenwich West H -	18	13	-	-	1	-	-	-
Greenwich East *WH* -	12	13	-	-	-	-	-	2
Eltham - - - -	2	-	-	-	-	-	-	-
Lee - - - -	7	7	-	-	-	1	2	-
Lewisham Village *W* -	6	3	-	-	-	-	-	-
Sydenham - - -	9	6	-	-	-	-	1	-
Charlton H - - -	6	6	-	-	2	-	2	-
Woolwich Dockyard H	9	14	-	-	2	-	-	-
Woolwich Arsenal H -	11	14	-	-	1	-	2	1
Plumstead, West - -	8	6	-	-	-	-	-	-
Plumstead, East - -	10	13	-	3	1	-	1	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - " " Tottenham-court sub-district.
West London - - " " Islington East.
East London - - " " Hackney sub-district.
St. Luke Middlesex - " " Hoxton New Town sub-district.
London City - - " " Mile End Old Town Eastern sub-d and Bow sub-district.
Stepney - - - " " Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the FORTY-NINTH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 10 1859	Dec. 8 1860	Dec. 7 1861	Dec. 6 1862	Dec. 5 1863	Dec. 10 1864	Dec. 9 1865	Dec. 8 1866	Dec. 7 1867	Dec. 5 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 11, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	41°·3	46°·0	40°·5	44°·8	42°·1	44°·9	46°·5	46°·9	35°·7	45°·6	43°·4	Mean Temp 39°·2						
	ALL CAUSES . . .	1289	1240	1300	1619	1376	1522	1433	1584	1588	1672	1462·3	1759†	828	961	187	255	279	67
	SPECIFIED CAUSES .	1279	1226	1272	1603	1369	1510	1426	1573	1575	1666	1449·9	1742	825	958	187	253	278	66
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	306	260	264	425	347	354	367	301	272	338	323·4	443	316	390	26	19	8	..
II.	CONSTITUTIONAL „ .	203	253	229	270	241	251	266	312	255	289	256·9	244	46	71	81	59	31	2
III.	LOCAL „ .	569	533	585	686	598	676	590	724	829	817	660·7	812	327	356	67	161	197	31
IV.	DEVELOPMENTAL „ .	159	137	153	174	134	174	158	190	167	176	162 2	183	114	114	4	..	33	32
V.	VIOLENT DEATHS . .	42	43	41	48	49	55	45	46	52	46	46·7	60	22	27	9	14	9	1
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	286	249	247	406	320	330	346	288	244	317	303·3	419	296	368	26	18	7	..
	2. ENTHETIC „ . .	6	5	8	4	9	3	6	5	7	10	6·3	8	7	7	..	..	1	..
	3. DIETIC „ . .	14	5	7	11	16	18	14	7	14	10	11·6	12	9	11	..	1	..	..
	4. PARASITIC „ . .	..	1	2	4	2	3	1	1	7	1	2·2	4	4	4	..	..	..	..
II.	1. DIATHETIC „ . .	50	45	27	47	52	39	44	49	53	52	45·8	53	3	8	4	16	23	2
	2. TUBERCULAR „ . .	153	208	202	223	189	212	222	263	202	237	211·1	191	43	63	77	43	8	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	129	123	135	158	152	159	154	175	174	180	153·9	185	72	78	10	39	46	12
	2. „ OF ORGANS OF CIRCULATION .	59	41	61	97	65	77	71	81	60	92	70·4	78	2	6	11	30	28	3
	3. „ OF RESPIRATORY ORGANS . .	307	291	299	341	297	345	274	384	490	444	347·2	433	236	246	23	57	91	16
	4. „ OF DIGESTIVE ORGANS . .	39	37	58	58	44	72	56	49	62	59	53·4	73	13	18	8	26	21	..
	5. „ OF URINARY ORGANS . . .	19	22	18	19	28	14	21	24	25	23	21·3	29	2	4	9	7	9	..
	6. „ OF ORGANS OF GENERATION .	9	7	5	3	6	2	7	4	5	5	5·3	7	..	..	4	1	2	..
	7. „ OF ORGANS OF LOCOMOTION .	3	6	5	5	2	6	4	6	6	9	5·2	5	..	2	2	1	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	4	6	4	5	4	1	3	1	7	5	4·0	2	2	2	..	..	..	..
IV.	1. DEV. DISEASES OF CHILDREN	44	35	35	32	44	42	39	37	36	40	38·4	42	42	42	..	..	..	..
	2. „ OF ADULTS . .	8	4	4	4	7	8	3	9	7	9	6·3	4	..	..	4	..	..	..
	3. „ OF OLD PEOPLE	62	46	66	86	48	64	54	63	57	71	61·7	59	..	..	..	..	27	32
	4. DISEASES OF NUTRITION .	45	52	48	52	35	60	62	81	67	56	55·8	78	72	72	..	..	6	..
V.	1. ACCIDENT OR NEGLIGENCE .	28	37	38	42	39	40	43	43	48	38	39·6	49	21	24	7	10	7	1
	*3. HOMICIDE	2	..	1	3	6	6	1	2	2	2	2·5	2	1	1	..	..	1	..
	4. SUICIDE	12	6	2	3	4	9	1	1	2	6	4·6	8	..	1	2	4	1	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	6	1	8	7	4	6	..	..	2	1	3·5	3	..	..	..	1	1	1
	CAUSES NOT SPECIFIED . .	4	13	20	9	3	6	7	11	11	5	8·9	14†	3	3	..	1	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

† An average of 10 is added, without distinction of ages. See note *, page 430.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 10 1859	Dec. 8 1860	Dec. 7 1861	Dec. 6 1862	Dec. 5 1863	Dec. 10 1864	Dec. 9 1865	Dec. 8 1866	Dec. 7 1867	Dec. 5 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 11, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and
	Mean Temperature	41°3	46°0	40°5	44°8	42°1	41°9	46°5	46°9	35°7	45°6	43°4	Mean Temp 39°2						
I.	ORDER 1.																		
	1. Small-pox	40	5	3	10	26	11	16	30	16	8	16·5	11	5	8	2	1	..	..
	2. Measles	31	58	17	91	18	65	49	39	41	31	44·0	35	32	35	..	..	..	..
	3. Scarlet Fever (Scarlatina)	82	50	70	88	88	69	63	54	32	107	70·3	209	152	205	4	..	..	..
	4. Diphtheria	15	18	7	17	11	8	12	16	9	9	12·2	8	5	8	..	..	..	..
	5. Quinsy	..	2	5	2	2	2	2	1	..	..	1·6	..	..	..	..	..	..	..
	6. Croup	4	11	19	19	21	14	15	15	18	7	14·3	18	17	18	..	..	..	..
	7. Whooping-cough	27	52	50	51	35	28	58	48	48	46	44·3	71	67	71	..	..	..	..
	8. Typhus	38	19	37	71	64	89	85	49	51	59	56·2	7	..	..	2	5	..	..
	— Enteric Fever												14	2	4	7	2	1	..
	— Simple continued Fever												19	6	8	6	3	2	..
	9. Erysipelas	7	8	2	9	10	8	7	9	6	15	8·1	4	1	1	2	..	1	..
	10. Puerperal Fever (Metria)	5	3	3	5	2	5	3	3	2	5	3·6	3	..	..	3	..	..	..
	11. Carbuncle	1	1	3	3	3	1	1	..	1	1	1·5	..	..	..	..	..	..	..
	12. Influenza	2	4	..	1	1	1	..	1	2	1	1·3	1	1	1	..	..	..	..
	13. Dysentery	4	1	3	4	1	..	3	6	1	2	2·5	..	..	..	..	..	..	..
	14. Diarrhœa	22	11	16	19	22	13	17	10	13	11	15·4	13	7	7	..	3	3	..
	15. Simple Cholera	..	..	..	..	..	..	..	1	1	..	·2	1	..	..	..	1	..	..
	16. Ague	..	..	..	..	..	2	1	..	..	..	·3	..	..	..	..	..	..	..
	17. Remittent fever	..	..	3	5	1	2	..	..	..	..	1·1	..	..	..	..	..	..	..
	18. Rheumatism	8	6	9	11	15	12	13	6	3	15	9·8	4	..	1	..	3	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	1	..	..	..	·1	1	1	1	..	..	..	..
	ORDER 2.																		
	1. Syphilis	5	4	7	3	7	3	4	4	6	9	5·2	7	7	7	..	..	..	..
	2. Stricture of Urethra	1	1	1	1	2	..	1	1	1	1	1·0	1	..	..	..	..	1	..
	3. Hydrophobia	..	..	..	..	..	..	1	..	..	..	·1	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	..	..	..	2	1	1	..	3	1	·9	1	..	1	..	..	..	..
	2. Want of Breast-milk	7	2	6	6	7	5	10	5	9	8	6·5	7	7	7	..	..	..	..
	3. Purpura and Scurvy	1	..	1	2	1	3	1	1	1	1	1·2	3	2	3	..	..	..	..
	4. Alcoholism *a* Del. Tremens	1	3	..	2	4	6	..	1	..	..	1·7	..	..	..	..	..	..	..
	4. Alcoholism *b* Intemperance	4	..	..	1	2	3	2	..	1	..	1·3	1	..	..	..	1	..	..
	ORDER 4.																		
	1. Thrush	..	1	2	4	2	3	1	1	6	1	2·1	4	4	4	..	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	1	..	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	2	2	1	1	..	..	1	2	4	2	1·5	1	..	..	..	..	1	..
	2. Dropsy	17	17	12	14	18	10	9	20	14	15	14·6	15	2	5	2	3	4	1
	3. Cancer	25	19	11	26	33	25	29	21	33	30	25·2	34	..	2	2	12	18	..
	4. Cancrum Oris (Noma)	..	2	..	2	..	..	1	1	2	..	·8	1	1	1	..	..	..	..
	5. Mortification	6	5	3	4	1	4	4	5	..	5	3·7	2	..	..	..	1	..	1
	ORDER 2.																		
	1. Scrofula	5	12	9	11	15	12	12	4	6	7	9·3	9	6	7	1	..	1	..
	2. Tabes Mesenterica	7	13	13	16	14	17	18	24	11	20	15·3	15	14	15	..	..	..	..
	3. Phthisis	118	150	147	167	136	154	168	206	165	187	159·8	148	7	22	76	43	7	..
	4. Hydrocephalus	23	33	33	29	24	29	24	29	20	23	26·7	19	16	19	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	9	14	10	12	10	8	10	15	14	23	12·5	18	14	15	2	1	..	..
	2. Apoplexy	33	24	32	37	33	36	44	40	39	40	35·8	46	1	3	2	19	19	3
	3. Paralysis	20	31	28	31	29	25	21	35	29	37	28·6	39	..	..	3	8	22	6
	4. Insanity	2	2	1	4	1	..	3	4	5	5	2·7	4	..	..	..	..	3	1
	5. Chorea	..	..	1	..	1	1	..	..	..	..	·3	..	..	..	..	..	..	..
	6. Epilepsy	3	4	9	7	7	9	9	6	6	5	6·5	8	1	1	..	5	1	..
	7. Convulsions	36	33	34	51	45	56	52	56	62	52	47·7	58	56	58	..	..	..	..
	8. *Brain Disease, &c.*	26	15	20	16	26	24	15	19	19	18	19·8	12	..	1	3	6	1	1
	ORDER 2.																		
	1. Pericarditis	2	4	2	2	4	1	4	3	3	3	2·8	2	..	..	..	..	2	..
	2. Aneurism	2	..	3	3	3	1	3	3	2	..	2·0	..	..	..	..	..	..	..
	3. *Heart Disease, &c.*	55	37	56	92	58	75	64	75	55	89	65·6	76	2	6	11	30	26	1
	ORDER 3.																		
	1. Laryngitis	9	4	6	8	6	8	7	3	11	5	6·7	11	6	7	..	1	3	..
	2. Bronchitis	181	172	174	201	155	200	153	257	288	270	205·1	259	125	130	11	34	71	13
	3. Pleurisy	5	3	4	3	7	6	3	3	10	7	5·1	3	..	..	1	2	..	..
	4. Pneumonia	86	95	87	80	97	97	89	92	139	121	98·3	122	93	97	10	10	3	1
	5. Asthma	21	11	17	22	15	11	9	14	18	13	15·1	19	1	1	1	8	9	..
	6. *Lung Disease, &c.*	5	6	11	27	17	23	13	15	24	28	16·9	19	11	11	..	2	5	1
	ORDER 4.																		
	1. Gastritis	..	..	1	2	..	5	1	1	2	4	1·6	2	..	2	..	..	..	..
	2. Enteritis	2	4	6	4	4	9	4	2	2	5	4·2	8	5	6	..	1	1	..
	3. Peritonitis	4	1	6	4	3	4	4	7	4	3	4·0	5	2	3	..	..	2	..
	4. Ascites	4	3	3	2	5	5	4	1	1	3	3·1	3	1	1	..	1	1	..
	5. Ulceration of Intestines	3	..	3	6	1	2	4	1	6	3	2·9	6	..	..	1	2	3	..
	6. Hernia	..	4	4	2	3	6	3	2	4	1	2·9	5	1	1	2	1	1	..
	7. Ileus	3	2	5	2	3	7	4	2	6	5	3·9	3	2	2	..	..	1	..
	8. Intussusception	1	..	2	..	..	1	1	3	3	..	1·1	2	..	..	2	..	..	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," o

in the FORTY-NINTH WEEK of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 10 1859	Dec. 8 1860	Dec. 7 1861	Dec. 6 1862	Dec. 5 1863	Dec. 10 1864	Dec. 9 1865	Dec. 8 1866	Dec. 7 1867	Dec. 5 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 11, 1869. ALL AGES. Mean Temp.	Deaths of Persons of the Ages Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	41·3	46·0	40·5	44·8	42·1	44·9	46·5	46·9	35·7	45·6	43·4	39·2						
	9. Stricture of Intestines	2	..	..	..	1	3	1	2	1	3	1·3	1	..	..	..	1	..	..
	10. Fistula	..	..	1	..	..	1	..	1	..	..	·3	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	3	4	8	6	2	5	3	4	8	6	4·9	7	..	..	..	4	3	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	1	3	2	1	3	4	3	3	4	3	2·7	2	..	..	..	2	..	..
	14. Jaundice	3	4	2	4	3	5	5	1	5	5	3·7	8	2	2	1	..	5	..
	15. *Liver Disease, &c.*	10	12	15	24	15	14	17	19	16	18	16·0	20	..	..	2	14	4	..
	16. *Spleen Disease, &c.*	3	..	..	1	1	1	2	..	..	..	·8	1	..	1	..	..	..	..
	ORDER 5.																		
	1. Nephritis	3	..	..	..	..	..	1	2	1	3	1·0	2	1	1	..	..	1	..
	2. Ischuria	1	..	2	..	..	..	..	1	..	1	·5	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	4	9	5	11	12	7	10	8	10	6	8·2	15	1	2	3	5	5	..
	4. Diabetes	..	3	3	1	2	..	3	1	6	1	2·0	1	..	..	1	..	..	..
	5. Calculus (Stone)	1	1	1	..	..	2	..	1	2	3	1·1	1	..	..	..	1	..	..
	6. Cystitis	1	1	1	..	3	3	1	1	..	1	1·2	3	..	..	1	1	1	..
	7. *Kidney Disease, &c.*	9	8	6	7	11	2	6	10	6	8	7·3	7	..	1	4	..	2	..
	ORDER 6.																		
	1. Ovarian Dropsy	5	2	..	..	3	1	3	1	..	4	1·9	4	..	..	2	..	2	..
	2. *Uterus Disease, &c.*	4	5	5	3	3	1	4	3	5	1	3·4	3	..	..	2	1	..	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	3	6	5	5	2	6	4	5	6	9	5·1	5	..	2	2	1	..	..
	ORDER 8.																		
	1. Phlegmon	4	5	1	..	2	..	1	..	4	2	1·9	1	1	1	..	..	..	..
	2. Ulcer	..	1	2	3	1	1	..	1	2	2	1·3	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	..	..	1	2	1	..	2	..	1	1	·8	1	1	1	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	28	16	24	10	27	19	22	16	22	21	20·5	18	18	18	..	..	..	..
	2. Cyanosis	2	2	1	1	2	3	2	5	1	2	2·1	3	3	3	..	..	..	..
	3. Spina Bifida	1	..	1	1	2	1	2	..	1	1	1·0	2	2	2	..	..	..	..
	4. Other Malformations	3	1	..	3	2	4	3	1	..	..	1·7	2	2	2	..	..	..	..
	5. Teething	10	16	9	17	11	15	10	15	12	16	13·1	17	17	17	..	..	..	..
	ORDER 2.																		
	1. Paramenia	2	..	..	..	..	..	..	1	..	..	·3	1	..	..	1	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	6	4	4	4	7	8	3	8	7	9	6·0	3	..	..	3	..	..	..
	ORDER 3.																		
	1. Old Age	62	46	66	86	48	64	54	63	57	71	61·7	59	..	..	..	..	27	32
	ORDER 4.																		
	1. Atrophy and Debility	45	52	48	52	35	60	62	81	67	56	55·8	78	72	72	..	..	6	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	14	9	16	21	7	12	19	18	19	21	15·6	14	1	1	4	4	4	1
	2. Wounds	..	1	..	1	..	..	2	1	1	1	·7	1	..	..	1	..	..	..
	3. Burns and Scalds	7	9	11	9	10	7	7	11	5	3	7·9	15	10	13	..	..	2	..
	4. Poison	..	3	1	..	2	..	1	..	..	2	·9	1	1	1	..	..	..	..
	5. Drowning	..	8	4	3	7	3	5	3	6	2	4·1	6	..	..	2	4	..	..
	6. Suffocation	6	6	6	6	9	14	8	9	15	8	8·7	7	6	6	..	1	..	..
	7. Otherwise	1	1	..	2	4	4	1	1	2	1	1·7	5	3	3	..	1	1	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	2	..	1	3	6	6	1	2	2	2	2·5	2	1	1	..	..	1	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	1	1	1	..	1	1	..	..	..	..	·5	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	2	2	1	1	2	1	1	..	1	3	1·4	4	..	..	..	4	..	..
	2. Poison	3	..	..	..	..	2	..	1	..	1	·7	..	..	..	..	..	..	..
	3. Drowning	2	..	..	1	..	2	..	..	..	2	·7	1	..	..	1	..	..	..
	4. Hanging	4	3	..	1	1	2	..	..	1	..	1·2	3	..	1	1	..	1	..
	5. Otherwise	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..
	Sudden Deaths (Cause unascertained)	6	1	8	7	4	6	..	..	2	1	3·5	3	..	..	..	1	1	1
	Causes not specified or ill-defined	4	13	20	9	3	6	7	11	11	5	8·9	14†	3	3	..	1	..	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

† An average of 10 is added, without distinction of ages. See note *, page 430.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 11th December, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
December.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	5	Greatest Dec. S.	30·313	37·7	28·6	9·1	34·6	30·2	45·4	23·0	37·4	35·4	4·4	6·5	4·0	— 7·6	84	NE.	NE. & ENE.	0·7	0·0	0·1	206	0·00	3
Monday . .	6	..	30·328	38·5	35·2	3·3	37·0	35·5	41·1	34·0	36·9	35·4	1·5	4·4	0·0	— 5·1	95	ENE.	ENE.	4·5	0·0	0·7	384	0·00	3
Tuesday .	7	..	30·029	38·0	32·8	5·2	36·0	34·8	38·9	30·4	36·4	35·4	1·2	1·9	0·0	— 6·0	95	ENE.	E. & ENE.	2·8	0·0	0·6	357	0·00	5
Wednesday	8	..	29·777	43·3	37·6	5·7	40·0	37·8	46·9	37·1	37·4	35·9	2·2	5·5	0·0	— 1·7	92	ENE.	E. & ENE.	2·0	0·0	0·2	191	0·00	2
Thursday .	9	..	29·775	42·0	38·3	3·7	39·8	39·2	44·6	38·3	37·6	35·1	0·6	2·9	0·0	— 1·5	98	ENE.	E. & ESE.	0·0	0·0	0·0	89	0·00	0
Friday . .	10	First Quarter	29·705	43·5	38·0	5·5	41·2	41·2	47·1	38·0	37·9	35·4	0·0	0·7	0·0	+ 0·2	100	Variable	SW. & SSW.	0·3	0·0	0·0	97	0·12	0
Saturday .	11	..	29·278	49·8	40·7	9·1	46·0	42·8	52·8	40·1	37·4	35·4	3·2	5·9	0·4	+ 5·3	88	SSW.	SSW. & NNW.	5·5	0·0	0·6	350	0·31	3
Means . .		..	29·883	41·8	35·9	5·9	39·2	37·4	45·3	34·4	37·3	35·4	1·9	4·0	0·6	— 2·3	93	ENE.		..	..	..	Sum 1674	Sum 0·43	2·3
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. December.		Electricity.	Sky and Atmosphere.
Sunday .	5	The insulating lamp was not burning.	Generally cloudy.
Monday .	6		Overcast. The range of temperature during the day was 3°·3 only.
Tuesday .	7	No electricity was shown.	Overcast.
Wednesday	8		Overcast. Fog prevailed during the afternoon and evening.
Thursday .	9		Overcast. Fog.]
Friday .	10		Overcast. Fog. Rain fell in the early morning hours.
Saturday .	11		Fine, but generally cloudy during the morning; overcast afterwards. Rain fell throughout the evening.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 30·08 in. at the beginning of the week to 30·40 in. by 9h. A.M. on the 6th; decreased to 29·75 in. by 9h. P.M. on the 8th; increased to 29·82 in. by 9h. P.M. on the 9th; decreased to 29·25 in. by 3h. P.M. on the 11th; and was 29·26 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

PUBLISHED BY EYRE AND SPOTTISWOODE, 9, EAST HARDING ST., FETTER LANE, E.C.

No. 50. 1869. Vol. XXX.] Week ending Saturday, December 18. [Price 1*d.*



General Register Office, Somerset House, 20th December 1869.

In the week that ended on Saturday, 18th December, 4530 births, and 3630 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 29 per 1000 persons living.

The annual rate of mortality last week was 26 per 1000 in London, 36 in Edinburgh, and 24 in Dublin; 30 in Bristol, 29 in Birmingham, 33 in Liverpool, 33 in Manchester, 32 in Salford, 34 in Sheffield, 30 in Bradford, 30 in Leeds, 29 in Hull, 26 in Newcastle-upon-Tyne, and 40 in Glasgow.

In Paris the annual rate of mortality in the week ending last Saturday (18th Dec.) was 26 per 1000. The rate in Berlin during the seven days ending 16th instant was 26 per 1000. Small-pox is still prevalent in Paris, and diphtheria in Berlin.

In London the births of 1145 boys and 1084 girls, in all 2229 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 2204.

The deaths registered in London during the week were 1566. It was the fiftieth week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1541. The deaths in the present return exceed by 25 the estimated number, but are less by 193 than the number recorded in the preceding week.

The mean temperature of the air, which decreased from 41·4° on 28th November to 36·4° on 29th November, continued below the average until 10th December. During the past week the mean temperature has been above the average on every day except Sunday, 12th December, and on Saturday, 18th December, the excess was so much as 12·0°. The deaths from affections of the breathing organs have in consequence declined. The rain-fall of the week, which in London was slightly below an inch and a quarter, averaged more than two inches in the ten large English Towns furnishing returns, including London.

The deaths from zymotic diseases were 404, the corrected average number being 359. Eight deaths from small-pox, 26 from measles, 186 from scarlet fever, 8 from diphtheria, 62 from whooping-cough, 12 from typhus fever, 16 from enteric fever, 16 from simple continued fever, and 14 from diarrhœa were registered.

The deaths from scarlet fever were less by 23 than the number registered in the previous week. Eleven cases occurred in the West Districts, 40 in the North, 8 in the Central, 61 in the East, and 66 in the South Districts. Ten cases were recorded in the sub-district of Bow, 10 in the sub-district of Poplar, 9 in the sub-district of St. James Bermondsey, and 14 in the sub-district of St. Peter Walworth.

A lighterman, aged 44 years, died on 9th December at 27 Marigold-street, Bermondsey, from "common cholera (7 days)."

The son of a draper, aged 3 years, died on 13th December at 22 Ockenden-road, Islington, from "relapsing fever, effusion on brain."

The son of a plasterer, aged 4 years, died on 15th December at 16 Alma-place, Lyham-road, Clapham, from "relapsing fever (one week)."

157 persons died from phthisis, 208 from bronchitis, and 103 from pneumonia.

The deaths of 3 infants and 2 adults from syphilis, of 5 children from burns or scalds, of 2 persons from drowning, and of 7 infants and one adult from suffocation were recorded. No case of suicide was registered during the week.

The following deaths of 2 children who were killed by horses or vehicles in the streets were registered:—

The son of a chimney sweep, aged 13 years, "fracture of the base of his skull; run over by a timber carriage" in Fenchurch-street on the 15th December. Found to be dead on his arrival at Guy's Hospital. (*Inquest.*)

The son of an organ builder, aged 11 years, "fractured pelvis; run over by a cart." Died on 3d December in St. Thomas's Hospital. (*Inquest.*)

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·360 in. The barometrical reading increased from 28·77 in. on Thursday, 16th December, to 29·75 in. on Friday, 17th December. The mean temperature of the air in the week was 44·7°, which is 4·5° above the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 55·8° on Thursday, 16th, and Saturday, 18th December. The lowest night temperature was 33·8° on Sunday, 12th December. The entire range of temperature in the week was, therefore, 22·0°. The mean of the highest temperatures of the water of the Thames was 41·0°; that of the lowest was 39·1°. The difference between the mean dew-point temperature and air temperature was 4·6°. The mean degree of humidity of the air was 84, complete saturation being represented by 100. Rain fell on six days to the amount of 1·23 in. The general direction of the wind was S.W. Gales prevailed on Monday, 13th, Thursday, 16th, Friday, 17th, and Saturday, 18th December, when pressures exceeding 30 lb. on the square foot were recorded. The average horizontal movement of the air during the week was at the rate of 23 miles per hour; and on Wednesday, 15th December it was at the rate of 27 miles per hour. There was more ozone than in the preceding week.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the River Thames at Crossness was 263,297 cubic metres, and at Barking 184,552 cubic metres, equivalent to about as many tons by weight.

LONDON.—Births and Deaths Registered last Week, and in the Fiftieth Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1831	1970	1800	1886	2100	1952	2098	2074	2146	2183	2004·0	2229
Males . .	952	1052	924	953	1112	951	1096	1029	1127	1145	1034·1	1145
Females .	879	918	876	933	988	1001	1002	1045	1019	1038	969·9	1084
Total Deaths	1289	1208	1283	1408	1357	1449	1440	1389	1700	1486	1400·9	1566*
Males . .	676	614	641	700	702	736	750	714	860	755	714·8	793
Females .	613	594	642	708	655	713	690	675	840	731	686·1	773

LONDON.—Comparative Table of Results in the Last Thirteen Weeks.

	Sept. 25.	Oct. 2.	Oct. 9.	Oct. 16.	Oct. 23.	Oct. 30.	Nov. 6.	Nov. 13.	Nov. 20.	Nov. 27.	Dec. 4.	Dec. 11.	Dec. 18.
Deaths - - -	1362	1395	1367	1305	1476	1536	1772	1689	1859	1676	1705	1759	1566
Deaths under 5 years of age -	682	690	661	681	736	719	848	773	855	790	811	828	706
Deaths under 20 years of age	824	848	797	801	903	870	997	957	1024	931	989	966	832
Deaths 20—40 - - -	148	175	189	163	182	192	226	197	233	190	178	187	176
Deaths 40—60 - - -	198	178	199	177	178	240	223	245	246	249	243	260	237
Deaths at 60 years of age and upwards - - -	192	194	182	164	213	234	326	290	356	306	295	346	321
Deaths from Small-pox -	8	6	4	8	3	2	9	9	6	5	10	11	8
„ „ Measles - -	22	20	22	27	27	29	46	31	50	50	40	35	26
„ „ Scarlet Fever -	191	238	216	224	233	229	241	218	208	219	245	209	186
„ „ Diphtheria -	9	6	9	14	11	11	8	10	7	7	4	8	8
„ „ Whooping-cough	49	51	51	60	67	45	74	69	69	70	63	71	62
„ „ Typhus fever -	9	8	9	7	9	8	11	10	13	11	13	7	12
„ „ Enteric fever -	23	22	14	16	23	30	18	14	27	23	18	14	16
„ „ Simple Contd fever	13	12	10	13	6	6	12	15	14	11	18	19	16
„ „ Diarrhœa - -	115	76	57	51	45	34	29	21	29	20	19	13	14
„ „ Phthisis - -	140	141	155	141	150	175	191	173	159	187	153	148	157
„ „ Bronchitis - -	62	64	74	72	101	150	219	227	265	250	272	259	208
„ „ Pneumonia -	54	50	54	56	70	102	114	133	138	119	106	122	103
„ „ Heart Disease -	55	55	59	55	57	60	66	70	79	69	62	76	69
Mean Temperature of the Air	56·8°	58·8°	55·7°	54·5°	42·7°	40·0°	46·6°	41·1°	45·8°	41·0°	34·2°	39·2°	44·7°
Mean Temperature of the Water of the Thames -	55·9°	57·1°	57·0°	57·4°	50·0°	45·7°	45·0°	44·0°	44·3°	43·1°	39·7°	38·3°	40·0°
Humidity of the Air - -	78	81	86	85	84	79	81	79	88	89	83	93	84
Rain-fall in inches - -	0·12	0·81	0·02	0·25	0·90	0·21	0·27	0·08	0·10	1·16	0·80	0·43	1·23

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* The return for the sub-district of Stamford Hill was not received when the tables were under preparation, but an average of 3, derived from the returns of six previous weeks, is substituted for the true number, which is 2.

Births and Deaths registered and Meteorology during the Week ending Saturday, the 18th day of December 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 18th Dec.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 18th Dec.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4530**	**3244**	**3630**	**59·0**	**28·0**	**42·2**	**1·94**	**196**	**15·00**	**−2·22**	**5·67**	**493**
London (Metropolis)	3,170,754	40·7	2070	2229	1462	1566	55·8	33·8	44·7	1·23	124	13·23	1·01	7·06	312
Bristol (City)	169,423	36·1	109	109	76	96 *	56·7	31·9	45·2	2·54	257	13·72	−0·06	7·33	645
Birmingham (Borough)	360,846	46·1	283	247	175	199	56·6	31·5	44·1	2·25	227	13·67	−0·28	6·73	572
Liverpool (Borough)	509,052	99·7	345	326	295	321	56·4	34·2	44·3	1·81	183	13·55	1·22	6·84	460
Manchester (City)	370,892	82·7	277	244	210	232 *	55·0	30·0	41·2	2·75	278	12·78	−1·11	5·11	698
Salford (Borough)	119,350	23·1	89	78	60	73	55·9	30·4	41·4	2·54	257	13·28	−0·89	5·22	645
Sheffield (Borough)	239,752	10·5	196	178	126	158	55·2	30·0	41·8	2·76	279	12·89	−1·11	5·45	701
Bradford (Borough)	138,522	21·0	105	91	71	80	..	..	..	..	..	..	..	..	..
Leeds (Borough)	253,110	11·7	189	226	129	146	55·0	31·0	41·7	2·22	224	12·78	−0·56	5·39	564
Hull (Borough)	126,682	35·6	83	74	59	70	53·0	28·0	38·9	1·77	179	11·67	−2·22	3·83	449
Newcastle-on-Tyne (Borough)	130,503	24·5	90	86	69	66	54·0	33·0	40·7	0·96	97	12·22	0·56	4·83	244
Edinburgh (City)	178,002	40·2	112	146	86	124	55·7	32·0	41·3	0·80	81	13·17	0·00	5·17	203
Glasgow (City)	458,937	90·6	374	355	268	351	53·6	31·5	39·9	2·32	234	12·01	−0·28	4·39	589
Dublin (City and some suburbs)	320,762	32·9	219	141	158	148	59·0	33·5	43·7	1·31	132	15·00	0·84	6·50	333
Paris (City)	1,889,842	..	..	..	..	955	..	..	..	..	..	..	..	..	..
				Week ending 11 Dec. 1869.		Week ending 11 Dec. 1869.	Week ending 11th December 1869.					Week ending 11th December 1869.			
Vienna (City)	605,200	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 16 Dec. 1869.		Week ending 16 Dec. 1869.	Week ending 16th December 1869.					Week ending 16th December 1869.			
Berlin (City)	(1867) 702,437	..	..	563	..	368	..	..	35·8	..	..	..	..	2·12	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol: D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield: J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds: Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period however since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon a local enumeration of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 18th December, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2229	1566	8	26	186	8	62	44	14
WEST DISTRICTS -	341	248	-	5	11	2	9	7	4
NORTH DISTRICTS -	488	346	2	2	40	-	16	9	3
CENTRAL DISTRICTS -	216	159	1	4	8	-	1	2	3
EAST DISTRICTS -	519	347	4	8	61	2	16	9	1
SOUTH DISTRICTS -	665	466	1	7	66	4	20	17	3
WEST DISTRICTS.									
St. Mary Paddington *WH*	42	22	-	-	2	-	-	-	-
St. John Paddington H	15	11	-	-	1	-	1	1	1
Kensington Town *W* -	67	52	-	3	3	1	1	1	1
Brompton H - -	9	15	-	-	1	-	-	-	-
St. Peter Hammersmith	4	6	-	-	-	-	-	-	-
St. Paul Hammersmith	19	15	-	-	1	1	-	-	-
Fulham *W* - - -	11	14	-	-	-	-	2	1	-
Chelsea South H - -	24	12	-	2	-	-	1	-	1
Chelsea North-west H *Ww*	15	18	-	-	1	-	-	1	-
Chelsea North-east -	12	6	-	-	-	-	1	-	-
Hanover Square - -	14	5	-	-	-	-	-	-	-
May Fair *W* - -	5	2	-	-	-	-	-	-	-
Belgrave H - - -	35	23	-	-	1	-	-	2	-
St. John Westminster -	24	18	-	-	-	-	2	-	-
St. Margaret West. *WH*	19	15	-	-	-	-	-	-	-
St. James's Square -	3	1	-	-	-	-	-	-	1
Golden Square *W* -	8	2	-	-	-	-	-	-	-
Berwick-street - -	6	1	-	-	-	-	1	-	-
St. Anne Soho - -	9	10	-	-	1	-	-	1	-
NORTH DISTRICTS.									
All Souls Marylebone H	17	13	-	-	1	-	1	1	-
Cavendish Square - -	6	6	-	-	-	-	-	-	-
Rectory Marylebone *W*	23	29	-	-	2	-	1	1	-
St. Mary Marylebone -	22	7	-	-	2	-	-	-	-
Christchurch Marylebone	29	25	-	-	5	-	2	1	-
St. John Marylebone -	15	13	-	-	3	-	-	-	-
Hampstead *W* - -	16	11	-	-	1	-	1	-	-
Regent's Park Pancras -	15	9	-	-	-	-	-	-	-
Tottenham-court *w*H -	18	15	-	-	-	-	-	-	-
Gray's Inn Lane H -	17	11	-	-	1	-	1	1	-
Somers Town - -	16	13	-	-	-	-	1	1	-
Camden Town *W* -	11	21	-	-	1	-	-	-	1
Kentish Town - -	52	22	-	1	1	-	2	-	1
Islington West* *WHH*	77	41	1	-	4	-	1	1	-
Islington East *Ww* -	69	48	1	-	8	-	3	1	-
Stoke Newington - -	5	3	-	-	1	-	-	-	-
Stamford Hill - -	4	3	-	-	-	-	-	-	-
West Hackney - -	16	10	-	1	1	-	2	1	-
Hackney *WHw* - -	33	32	-	-	7	-	1	1	-
South Hackney L -	27	14	-	-	2	-	-	-	1
CENTRAL DISTRICTS.									
St. George Bloomsbury -	9	4	-	-	-	-	-	-	-
St. Giles South *W* -	13	13	-	-	-	-	-	-	1
St. Giles North - -	9	8	-	-	1	-	-	-	-
Long Acre - - -	6	3	-	1	-	-	-	-	-
Charing Cross *WH* -	-	6	-	-	-	-	-	-	-
St. Mary-le-Strand -	8	3	-	-	1	-	-	-	-
St. Clement Danes H -	5	8	-	-	1	-	-	-	-
St. George-the-Martyr H	11	4	-	-	-	-	-	-	1
St. Andrew, East Holb. *W*	10	14	-	-	-	-	-	-	-
Saffron Hill - - -	5	3	-	-	-	-	-	-	-
St. James Clerkenwell *W*	17	18	-	2	1	-	-	-	-
Amwell Clerkenwell -	12	7	-	-	1	-	-	-	-
Pentonville - - -	11	2	-	-	-	-	-	-	1
Goswell-street - -	7	8	-	-	-	-	-	1	-
Old-street - - -	11	7	-	-	-	-	-	-	-
City-road HL - -	30	7	1	-	-	-	-	-	-
Whitecross-street - -	10	4	-	-	-	-	-	-	-
Finsbury - - -	2	6	-	1	1	-	-	-	-
St. Botolph East London	14	10	-	-	-	-	-	-	-
Cripplegate - - -	1	2	-	-	1	-	1	-	-
West London North *WH*	6	13	-	-	-	-	-	-	-
West London South -	6	2	-	-	-	-	-	-	-
London City South-west	2	1	-	-	-	-	-	-	-
London City North-west	3	-	-	-	-	-	-	-	-
London City South -	3	1	-	-	-	-	-	-	-
London City South-east	3	3	-	-	1	-	-	1	-
London City North-east	2	2	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.
EAST DISTRICTS.								
Holywell Shoreditch -	4	2	-	1	-	-	-	-
St. Leonard Shrdtch. L†	15	17	-	-	4	1	2	1
Hoxton New Town *w* -	34	22	-	1	7	-	-	-
Hoxton Old Town - -	26	20	-	1	1	-	2	-
Haggerstone West *W* -	20	15	-	-	2	-	1	2
Haggerstone East - -	5	2	-	-	-	-	-	-
Hackney-road - - -	38	12	-	-	3	-	-	-
Green, Bthnl. Grn. *WHL*†	46	27	-	-	4	-	1	-
Church, Bethnal Green -	18	12	-	1	1	-	1	-
Town, Bethnal Green -	20	8	-	1	-	-	1	-
Artillery Whitechapel -	3	3	-	-	-	-	-	-
Spitalfields - - -	7	2	-	-	-	-	-	1
Mile End New Town *W*	13	12	-	-	-	-	1	-
Whitechapel North -	9	11	-	2	1	-	1	-
Whitechapel Church H	10	17	-	-	-	-	-	1
Goodman's Fields - -	7	-	-	-	-	-	-	-
Aldgate - - - -	9	1	-	-	-	-	-	-
St. Mary St. Geo. East -	17	9	-	-	4	-	1	-
St. Paul St. Geo. East -	9	12	-	-	2	-	-	1
St. John St. Geo. East *W*	10	13	-	-	1	-	-	-
Shadwell *W* - - -	5	4	-	-	-	-	-	-
Ratcliff *W* - - -	9	8	-	-	-	1	1	-
Limehouse *W* - -	19	12	3	-	2	-	1	-
Mile End Old Town, West	28	12	-	-	4	-	2	-
Mile End Old T., East *Ww*	45	32	1	-	5	-	1	2
Bow *ww*L† - - -	48	34	-	1	10	-	-	-
Poplar *W* - - -	45	28	-	-	10	-	-	1
SOUTH DISTRICTS.								
Christchurch Sthwark. *W*	11	5	-	-	-	-	-	1
St. Saviour Southwark H	15	4	-	-	1	-	-	1
St. Olave Southwark H	2	11	-	-	-	-	-	-
St. John Horsleydown *W*	7	4	-	-	1	-	-	-
St. James Bermondsey -	38	31	-	-	9	-	2	-
St. Mary Magdalen *W* -	11	6	-	-	-	-	1	-
Leather Market - -	13	12	-	1	-	-	1	1
Kent-road - -	10	9	1	-	-	-	1	-
Borough-road *W* - -	14	7	-	-	-	-	-	-
London-road L - -	13	15	-	-	3	-	1	-
Trinity Newington -	18	13	-	1	2	-	-	-
St. Peter Walworth *W*	41	32	-	-	14	1	-	-
St. Mary Newington H	10	10	-	-	1	-	-	1
Waterloo-road 1st -	10	6	-	-	-	-	-	-
Waterloo-road 2nd -	11	11	-	1	1	1	2	-
Lambeth Church 1st -	13	7	-	-	1	-	-	-
Lambeth Church 2nd *W*	28	22	-	-	2	-	1	2
Kennington 1st - -	26	23	-	-	1	-	-	1
Kennington 2nd - -	16	12	-	-	-	-	2	1
Brixton - - - -	22	12	-	-	1	-	-	-
Norwood *W* - - -	10	12	-	3	-	-	-	-
Clapham - - -	16	10	-	-	4	-	-	1
Battersea *Ww* - -	48	16	-	-	1	-	1	2
Wandsworth L - -	14	11	-	-	1	-	1	-
Putney - - - -	4	4	-	-	1	-	-	-
Streatham - - -	3	4	-	-	-	-	-	-
Dulwich - - -	3	3	-	-	-	-	-	-
Camberwell *WL*†L† -	20	16	-	-	2	-	1	-
Peckham - - -	23	17	-	-	2	-	-	-
St. George Camberwell -	33	15	-	-	5	-	1	2
Rotherhithe *W* - -	13	17	-	-	8	-	1	-
St. Paul Deptford - -	33	16	-	-	2	1	-	2
St. Nicholas Deptford -	4	4	-	-	-	-	-	-
Greenwich West H -	9	11	-	-	-	-	1	1
Greenwich East *WH* -	17	11	-	-	-	-	-	-
Eltham - - - -	2	-	-	-	-	-	-	-
Lee - - - -	9	6	-	-	-	-	-	-
Lewisham Village *W* -	10	6	-	-	-	-	-	-
Sydenham - - -	17	5	-	-	-	-	-	-
Charlton H - - -	4	6	-	-	2	-	-	-
Woolwich Dockyard H	8	5	-	-	1	1	-	-
Woolwich Arsenal H -	19	5	-	-	-	-	1	1
Plumstead, West - -	10	7	-	-	-	-	1	-
Plumstead, East - -	7	7	-	1	-	-	1	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - „ „ Tottenham-court sub-district.
West London - - „ „ Islington East.
East London - - „ „ Hackney sub-district.
St. Luke Middlesex - „ „ Hoxton New Town sub-district.
London City - - „ „ Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - „ „ Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the FIFTIETH WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 17 1859	Dec. 15 1860	Dec. 14 1861	Dec. 13 1862	Dec. 12 1863	Dec. 17 1864	Dec. 16 1865	Dec. 15 1866	Dec. 14 1867	Dec. 12 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 18, 1869. Deaths of Persons of the Ages ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	28°6	40°0	48°1	44°1	46°7	37°3	39°7	43°4	38°4	47°6	41°4	44°7						
	ALL CAUSES . . .	1289	1208	1283	1408	1357	1449	1440	1389	1700	1486	1400·9	1566†	706	831	174	237	260	61
	SPECIFIED CAUSES .	1279	1203	1259	1389	1348	1440	1424	1379	1692	1460	1387·3	1552	697	822	174	236	259	61
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	296	265	312	380	370	364	358	292	291	334	326·2	404	267	345	29	18	10	2
II.	CONSTITUTIONAL „ .	211	222	242	250	232	253	256	235	296	232	242 9	257	58	71	70	85	28	3
III.	LOCAL „ .	577	535	524	585	556	625	626	641	861	691	622·1	699	267	295	60	129	188	27
IV.	DEVELOPMENTAL „ .	151	140	142	124	151	151	134	153	195	157	149·8	161	94	94	9	2	27	29
V.	VIOLENT DEATHS . .	44	41	39	50	39	47	50	58	49	46	46·3	31	11	17	6	2	6	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	273	243	298	361	345	345	336	270	270	307	304·8	382	253	329	28	14	9	2
	2. ENTHETIC „ . .	8	4	6	4	7	5	12	8	8	13	7·5	8	3	4	1	3	..	..
	3. DIETIC „ . .	14	16	7	13	16	12	7	11	11	10	11·7	10	7	8	..	1	1	..
	4. PARASITIC „ . .	1	2	1	2	2	2	3	3	2	4	2·2	4	4	4	..	..	..	..
II.	1. DIATHETIC „ . .	36	52	46	47	38	50	46	43	60	66	48·4	49	3	3	4	20	19	3
	2. TUBERCULAR „ . .	175	170	196	203	194	203	210	192	236	166	194·5	208	55	68	66	65	9	..
II.	1. DISEASES OF NERVOUS SYSTEM . .	145	135	132	138	134	120	166	147	179	171	146·7	175	72	78	15	26	46	10
	2. „ OF ORGANS OF CIRCULATION .	54	41	50	70	69	68	60	69	69	73	62·3	73	2	8	15	20	28	2
	3. „ OF RESPIRATORY ORGANS . .	279	261	267	302	262	355	325	345	507	353	325·6	369	185	196	17	56	86	14
	4. „ OF DIGESTIVE ORGANS . . .	64	59	47	2	60	47	41	47	64	57	53·8	44	4	5	1	17	20	1
	5. „ OF URINARY ORGANS . . .	20	23	17	14	0	18	19	20	23	21	19·5	23	2	3	6	7	7	..
	6. „ OF ORGANS OF GENERATION .	7	3	4	3	2	5	2	6	5	6	4·3	8	..	1	4	2	1	..
	7. „ OF ORGANS OF LOCOMOTION .	1	4	5	3	6	6	7	3	7	4	4·6	4	1	2	2	..	..	..
	8. „ OF INTEGUMENTARY SYSTEM .	7	9	2	3	3	6	6	4	7	6	5·3	3	1	2	..	1	..	..
V.	1. DEV. DISEASES OF CHILDREN	31	37	43	28	43	32	32	42	45	37	37·0	46	46	46	..	..	..	..
	2. „ OF ADULTS .	10	3	1	2	6	8	6	2	6	9	5·3	10	..	..	9	1	..	..
	3. „ OF OLD PEOPLE	60	47	61	53	56	65	33	50	64	66	55·5	55	..	..	..	..	26	29
	4. DISEASES OF NUTRITION .	50	53	37	41	46	46	63	59	80	45	52·0	50	48	48	..	1	1	..
V.	1 ACCIDENT OR NEGLIGENCE .	35	29	35	43	33	38	40	43	44	38	37·8	29	10	16	5	2	6	..
	*3. HOMICIDE	2	4	..	2	3	1	4	8	1	2	2·7	1	1	1	..	..	..	..
	4. SUICIDE	7	8	4	5	3	8	6	7	4	5	5·7	..	..	..	..	..	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	7	2	5	8	2	2	1	1	3	2	3·3	4	2	2	..	1	1	..
	CAUSES NOT SPECIFIED . .	3	3	19	11	7	7	15	9	5	24	10·3	10†	7	7	..	..	..	..

* Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

† An average of 3 is added, without distinction of ages. See note *, page 438.

DEATHS in LONDON, from ALL CAUSES, Register

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 17 1859	Dec. 15 1860	Dec. 14 1861	Dec. 13 1862	Dec. 12 1863	Dec. 17 1864	Dec. 16 1865	Dec. 15 1866	Dec. 14 1867	Dec. 12 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 18, 186 — Deaths of Persons of the Age — ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.
	Mean Temperature	° 28·6	° 40·0	° 48·1	° 44·1	° 46·7	° 37·3	° 39·7	° 43·4	° 38·4	° 47·6	° 41·4	Mean Temp ° 44·7					
I.	ORDER 1.																	
	1. Small-pox	45	3	4	22	11	8	15	36	24	..	16·8	8	5	7	1	..	..
	2. Measles	36	55	25	74	27	47	49	25	40	34	41·2	26	23	26	..	..	..
	3. Scarlet Fever (Scarlatina)	83	52	78	84	114	83	48	38	31	108	71·9	186	126	179	5	2	..
	4. Diphtheria	6	14	15	11	15	11	13	11	8	15	11·9	8	6	7	..	1	..
	5. Quinsy	2	2	4	..	..	2	..	2	..	..	1·2	..	..	..	..	..	..
	6. Croup	9	11	19	19	20	22	22	18	26	9	17·5	11	11	11	..	..	..
	7. Whooping-cough	32	43	55	51	35	59	52	41	59	43	46·1	62	59	62	..	..	..
	8. Typhus	23	31	59	62	76	76	94	49	44	62	57·6	12	..	5	5	2	..
	— Enteric Fever												16	1	5	6	4	1
	*— Simple continued Fever												16	7	11	3	2	..
	9. Erysipelas	13	6	8	6	13	8	..	6	7	8	7·5	5	3	3	1	..	1
	10. Puerperal Fever (Metria)	4	3	4	5	4	3	5	2	4	3	3·7	1	..	..	1	..	..
	11. Carbuncle	..	2	2	2	1	..	1	..	1	1	1·0	1	..	..	1	..	..
	12. Influenza	2	2	3	..	3	2	..	4	1	1	1·8	3	3	3	..	..	..
	13. Dysentery	1	1	..	1	2	1	..	2	2	..	1·0	1	..	..	..	..	..
	14. Diarrhœa	8	12	15	11	12	13	27	25	11	7	14·1	14	9	9	1	..	3
	15. Simple Cholera	..	..	..	..	..	1	..	2	1	..	·4	1	..	..	..	1	..
	16. Ague	1	..	..	..	..	1	..	..	..	..	·2	1	..	..	..	1	..
	17. Remittent Fever	1	..	2	2	2	3	1	..	..	..	1·1	2	..	..	1	1	..
	18. Rheumatism	7	6	5	11	10	14	6	9	11	16	9·5	8	..	1	3	..	4
	19. Other *Zymotic* diseases	..	..	..	..	..	..	3	..	..	..	·3	..	..	..	..	..	..
	ORDER 2.																	
	1. Syphilis	6	2	5	4	6	3	8	6	6	12	5 8	5	3	4	..	1	..
	2. Stricture of Urethra	2	2	1	..	1	2	2	1	1	..	1·2	3	..	..	1	2	..
	3. Hydrophobia	..	..	..	..	..	..	2	1	1	..	·4	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..
	ORDER 3.																	
	1. Privation	..	1	..	..	1	..	..	..	..	..	·2	1	..	..	..	..	1
	2. Want of Breast-milk	8	9	4	8	9	9	5	7	6	8	7·3	7	7	7	..	..	..
	3. Purpura and Scurvy	1	..	..	1	2	1	..	1	2	..	·8	1	..	1	..	..	..
	4. Alcoholism *a* Del. Tremens	3	1	3	2	1	..	2	1	1	1	1·5	..	..	..	..	..	..
	4. Alcoholism *b* Intemperance	2	5	..	2	3	2	..	2	2	1	1·9	1	..	..	..	1	..
	ORDER 4.																	
	1. Thrush	1	2	1	2	2	2	3	3	2	3	2·1	3	3	3	..	..	..
	2. Worms, &c.	..	..	..	..	..	..	..	..	..	1	·1	1	1	1	..	..	..
II.	ORDER 1.																	
	1. Gout	2	2	..	..	1	1	..	2	3	4	1·5	3	..	..	..	2	1
	2. Dropsy	15	18	10	9	16	16	18	12	10	24	14·8	13	1	1	1	4	6
	3. Cancer	16	26	29	32	20	28	25	25	43	33	27·7	31	1	1	3	14	11
	4. Cancrum Oris (Noma)	..	..	1	1	1	..	1	..	1	..	·5	..	..	..	..	..	..
	5. Mortification	3	6	6	5	..	5	2	4	3	5	3·9	2	1	1	..	..	1
	ORDER 2.																	
	1. Scrofula	5	8	10	6	6	8	8	9	8	10	7·8	3	3	3	..	..	..
	2. Tabes Mesenterica	8	12	16	16	11	23	21	8	17	8	14·0	13	13	13	..	..	..
	3. Phthisis	134	119	148	149	142	151	156	154	175	125	145·3	157	10	17	66	65	9
	4. Hydrocephalus	28	31	22	32	35	21	25	21	36	23	27·4	35	29	35	..	..	..
III.	ORDER 1.																	
	1. Cephalitis	13	10	14	12	6	8	16	9	8	6	10·2	18	10	13	4	1	..
	2. Apoplexy	31	32	30	32	29	28	38	42	45	41	34·8	39	7	9	2	6	18
	3. Paralysis	26	21	30	27	23	23	25	34	38	29	27·6	46	..	1	5	12	22
	4. Insanity	..	1	1	5	5	1	1	4	1	3	2·2	1	..	..	1	..	..
	5. Chorea	..	..	2	1	..	..	1	..	..	..	·4	..	..	..	..	..	..
	6. Epilepsy	6	5	7	3	8	5	9	6	7	6	6·2	4	..	..	1	2	1
	7. Convulsions	45	43	32	38	43	41	61	38	60	58	46·2	53	53	53	..	..	..
	8. *Brain Disease, &c.*	24	20	16	20	20	14	15	14	20	28	19·1	14	2	2	2	5	5
	ORDER 2.																	
	1. Pericarditis	2	..	2	4	3	3	2	1	..	3	2·0	2	..	1	1	..	..
	2. Aneurism	3	..	1	..	4	3	3	3	2	3	2·2	2	..	..	1	..	1
	3. *Heart Disease, &c.*	49	41	47	66	62	62	55	65	67	67	58·1	69	2	7	13	20	27
	ORDER 3.																	
	1. Laryngitis	5	5	4	6	3	7	7	3	6	7	5·3	15	12	13	..	1	1
	2. Bronchitis	164	139	158	194	132	189	179	207	311	194	186·7	208	88	92	4	33	65
	3. Pleurisy	1	3	3	3	5	3	5	3	..	6	3·2	5	..	1	1	2	1
	4. Pneumonia	76	97	76	75	96	123	102	95	151	122	101·3	103	74	78	8	10	7
	5. Asthma	26	11	13	11	11	10	13	15	20	7	13·7	15	1	1	1	5	8
	6. *Lung Disease, &c.*	7	6	13	13	15	23	19	22	19	17	15·4	25	10	11	3	5	4
	ORDER 4.																	
	1. Gastritis	4	2	3	2	1	1	1	1	..	1	1·6	..	..	..	..	..	..
	2. Enteritis	8	7	5	8	6	6	2	4	5	4	5·5	4	1	1	1	1	1
	3. Peritonitis	9	4	8	3	5	8	1	5	7	8	5·8	4	1	2	..	..	2
	4. Ascites	4	6	2	5	1	2	1	2	6	3	3·2	2	..	..	..	..	2
	5. Ulceration of Intestines	1	3	2	1	3	4	2	1	4	2	2·3	..	..	..	..	..	..
	6. Hernia	3	4	4	6	5	5	2	7	7	8	5·1	5	..	..	..	2	2
	7. Ileus	4	6	2	2	2	1	..	2	5	4	2 8	6	..	..	..	4	2
	8. Intussusception	..	..	..	..	3	..	..	..	2	..	·5	2	1	1	..	..	1

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discover whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Of of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism."

* Two deaths from relapsing fever are included.

the FIFTIETH WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 17 1859	Dec. 15 1860	Dec. 14 1861	Dec. 13 1862	Dec. 12 1863	Dec. 17 1864	Dec. 16 1865	Dec. 15 1866	Dec. 14 1867	Dec. 12 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 18, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	° 28·6	° 40·0	° 48·1	° 44·1	° 46·7	° 37·3	° 39·7	° 43·4	° 38·4	° 47·6	° 41·4	Mean Temp. ° 44·7						
	9. Stricture of Intestines	1	1	..	1	1	..	..	..	..	1	·5	2	..	..	..	2	..	..
	10. Fistula	1	1	..	1	..	1	..	..	3	..	·7	1	..	..	..	..	1	..
	11. *Stomach Disease, &c.*	2	3	8	4	9	9	5	6	5	7	5·8	6	..	..	..	1	5	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	7	2	1	1	3	2	6	2	1	2	2·7	2	..	..	..	1	1	..
	14. Jaundice	4	1	3	4	4	2	3	1	5	3	3·0	2	1	1	..	1	..	..
	15. *Liver Disease, &c.*	15	19	8	14	17	6	18	15	14	14	14·0	8	..	..	..	5	3	..
	16. *Spleen Disease, &c.*	1	..	1	..	..	..	..	1	..	..	·3	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	2	..	2	1	1	3	..	1	2	1·2	2	1	1	1	..	..	..
	2. Ischuria	1	..	1	..	..	..	..	..	2	..	·4	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	4	9	8	3	6	8	7	8	10	5	6·8	7	1	1	2	3	1	..
	4. Diabetes	3	1	2	1	..	1	..	4	1	3	1·6	1	..	..	1	..	..	..
	5. Calculus (Stone)	1	1	1	..	1	..	..	1	..	1	·6	..	..	..	..	..	..	..
	6. Cystitis	..	3	..	3	..	..	..	..	..	1	·7	3	..	1	..	..	2	..
	7. *Kidney Disease, &c.*	11	7	5	5	12	8	9	7	9	9	8·2	10	..	..	2	4	4	..
	ORDER 6.																		
	1 Ovarian Dropsy	4	..	1	..	1	..	2	1	1	..	1·0	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	3	3	3	3	1	5	..	5	4	6	3·3	8	..	1	4	2	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	..	1	..	1	..	..	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	1	4	5	2	6	5	7	3	7	4	4·4	4	1	2	2	..	..	..
	ORDER 8.																		
	1. Phlegmon	4	3	..	1	3	2	3	2	4	4	2·6	2	..	1	..	1	..	..
	2. Ulcer	2	3	1	..	..	1	3	1	1	1	1·3	..	..	..	..	..	..	..
	3. *Skin Disease, &c.*	1	3	1	2	..	3	..	1	2	1	1·4	1	1	1	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	14	14	24	16	23	14	15	20	23	20	18·3	19	19	19	..	..	..	..
	2. Cyanosis	1	2	3	1	1	5	4	3	1	1	2·2	5	5	5	..	..	..	..
	3. Spina Bifida	..	..	1	2	..	..	..	1	1	2	·7	2	2	2	..	..	..	..
	4. Other Malformations	2	3	3	..	2	1	1	1	5	1	1·9	4	4	4	..	..	..	..
	5. Teething	14	18	12	9	17	12	12	17	15	13	13·9	16	16	16	..	..	..	..
	ORDER 2.																		
	1. Paramenia	2	..	..	1	..	..	..	..	..	..	·3	1	..	..	..	1	..	..
	2. Childbirth (*see* Puerperal Fev.)	8	3	1	1	6	8	6	2	6	9	5·0	9	..	..	9	..	..	..
	ORDER 3.																		
	1. Old Age	60	47	61	53	56	65	33	50	64	66	55·5	55	..	..	..	..	26	29
	ORDER 4.																		
	1. Atrophy and Debility	50	53	37	41	43	46	63	59	80	45	52·0	50	48	48	..	1	1	..
V.	ORDER 1. (ACCIDENT OR NEGLIGENCE.)																		
	1. Fractures and Contusions	11	13	13	8	9	12	21	13	14	19	13·3	12	..	3	2	2	5	..
	2. Wounds	..	..	2	2	1	..	..	1	1	2	·9	1	..	..	1	..	..	..
	3. Burns and Scalds	10	4	11	16	6	12	4	5	9	5	8·2	5	3	5	..	..	..	..
	4. Poison	1	1	1	..	1	1	1	3	2	..	1·1	..	..	..	..	..	..	..
	5. Drowning	1	6	4	6	6	6	6	3	3	6	4·7	2	..	..	1	..	1	..
	6. Suffocation	12	5	3	10	9	6	6	16	13	5	8·5	8	7	7	1	..	..	..
	7. Otherwise	..	..	1	1	1	1	2	2	2	1	1·1	1	..	1	..	..	..	..
	ORDER 3. (HOMICIDE.)																		
	1. Murder and Manslaughter	2	4	..	2	3	1	4	8	1	2	2·7	1	1	1	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	1	..	..	..	2	..	1	1	..	·5	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	2	1	..	1	1	2	1	1	..	..	·9	..	..	..	..	..	..	..
	2. Poison	3	2	2	1	..	1	2	3	1	1	1·6	..	..	..	..	..	..	..
	3. Drowning	1	1	..	..	..	2	1	..	1	2	·8	..	..	..	..	..	..	..
	4. Hanging	1	2	2	3	..	..	1	2	..	2	1·3	..	..	..	..	..	..	..
	5. Otherwise	..	1	..	..	2	1	1	..	1	..	·6	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	1	·1	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	7	2	5	8	2	2	1	1	3	2	3·3	4	2	2	..	1	1	..
	Causes not specified or ill-defined	3	3	19	11	7	7	15	9	5	24	10·3	10*	7	7	..	..	..	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

* An average of 3 is added, without distinction of ages. See note *, page 438.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 18th December, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest.	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
December.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday	12	Apogee In Equator	29·369	47·4	33·8	13·6	40·5	35·7	67·9	30·2	40·4	38·4	4·8	8·2	0·8	— 0·1	83	WSW.& SSW.	SW. & SSW.	6·1	0·0	0·3	299	0·01	1
Monday	13	..	29·203	50·8	39·0	11·8	46·8	45·0	56·5	30·8	40·4	38·4	1·8	5·0	0·0	+ 6·3	93	SSW.	SSW.& SW.	30·+	0·1	4·4	627	0·08	6
Tuesday	14	..	29·327	47·0	38·0	9·0	42·2	36·7	59·7	33·2	40·5	38·6	5·5	7·8	3·2	+ 1·8	81	WSW.	WSW.	8·6	0·2	1·5	537	0·06	2
Wednesday	15	..	29·347	47·9	37·4	10·5	42·4	34·9	62·7	31·3	40·9	38·9	7·5	13·4	0·0	+ 2·2	75	SW.	WSW.	24·0	0·1	2·4	650	0·34	2
Thursday	16	..	29·338	55·8	36·4	19·4	46·0	42·8	55·8	30·8	41·4	39·4	3·2	5·6	1·5	+ 6·0	88	WSW.	SW. SSW. & WSW.	30·+	0·1	4·3	603	0·59	3
Friday	17	..	29·602	48·0	40·0	8·0	43·2	35·4	60·7	31·7	41·4	40·4	7·8	9·9	5·1	+ 3·4	74	WNW.&W.	W.&WSW.	30·+	0·0	2·4	557	0·00	2
Saturday	18	Full	29·331	55·8	42·4	13·4	51·6	50·4	57·0	38·1	41·9	39·4	1·2	3·0	0·0	+12·0	96	SSW. & SW.	SW.	30·0	0·0	2·9	614	0·15	2
Means		..	29·369	50·4	38·1	12·2	44·7	40·1	60·0	32·3	41·0	39·1	4·6	7·6	1·5	+ 4·5	84	WSW,SW,&SSW.		..	..	..	Sum 3887	Sum 1·23	2·6
No. of Columns.		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. December.		Electricity.	Sky and Atmosphere.
Sunday	12	No electricity was shown.	Partially cloudy. Rain fell occasionally in the afternoon; lunar halo at night.
Monday	13		Generally overcast. Rain fell in the evening. A violent gale.
Tuesday	14	The insulating lamp was not burning.	Partially cloudy till evening; then cloudless. Rain fell occasionally during the morning. Lunar halo at night.
Wednesday	15		Between 6h. A.M. and 7h. A.M. rain and hail fell heavily; generally fine and partially cloudy during the remainder of day. Slight showers of rain also fell about 1h. P.M. and 2h. P.M.
Thursday	16		Generally cloudy during the morning, and at 11h. A.M. a faint solar halo was seen; overcast after noon; rain fell very heavily from 2h. P.M. to about 6h. P.M.; and a violent gale prevailed at night.
Friday	17		A fine day; generally cloudless during the morning; cloudy after 1h. P.M. A gale prevailed in the early morning hours.
Saturday	18		Overcast. Rain fell during the early morning hours and at night. A gale prevailed.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

*In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 ft. below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer increased from 29·26 in. at the beginning of the week to 29·38 in. by 9h. A.M. on the 12th; decreased to 29·30 in. by 2h. P.M. on the same day; increased to 29·46 in. by 2h. A.M. on the 13th; decreased to 29·02 in. by 9h. P.M. on the same day; increased to 29·57 in. by midnight on the 14th; decreased to 29·18 in. by 6h. 45m. A.M. on the 15th; was 29·25 in. at 7h. 15m. A.M.; and 29·20 in. at 7h. 50m. A.M. on the same day; increased to 29·65 in. by 2h. 20m. A.M. on the 16th; decreased to 28·77 in. by 10h. P.M. on the same day; increased to 29·75 in. by 9h. P.M. on the 17th; decreased very rapidly to 29·39 in. by 9h. A.M. on the 18th; and less rapidly to 29·21 in. by the end of the week.

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

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No. 51. 1869. Vol. XXX.] Week ending Saturday, December 25. [Price 1½d.

General Register Office, Somerset House, 27th December, 1869.

In the week that ended on Saturday, 25th December, 4050 births, and 3095 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 25 per 1000 persons living.

The annual rate of mortality last week was 22 per 1000 in London, 27 in Edinburgh, and 25 in Dublin; 29 in Bristol, 26 in Birmingham, 25 in Liverpool, 29 in Manchester, 24 in Salford, 30 in Sheffield, 16 in Bradford, 22 in Leeds, 23 in Hull, 23 in Newcastle-upon-Tyne, and 36 in Glasgow.

In Paris the annual rate of mortality in the week ending last Saturday (25th Dec.) was 27 per 1000.

In London the births of 993 boys and 950 girls, in all 1943 children, were registered last week. In the corresponding weeks of ten years 1859–68 the average number, corrected for increase of population, is 1856.

The deaths registered in London during the week were 1357. It was the fifty-first week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1569.

The deaths from zymotic diseases were 340, the corrected average number being 344. Five deaths from small-pox, 31 from measles, 123 from scarlet fever, 7 from diphtheria, 65 from whooping-cough, 8 from typhus fever, 14 from enteric fever, 16 from simple continued fever, and 14 from diarrhœa were registered.

Of the 31 deaths registered from measles, 14 occurred in the South Districts.

119 persons died from phthisis, 185 from bronchitis, and 87 from pneumonia. The corrected average number of deaths from phthisis is 167, from bronchitis 214, and from pneumonia 104. In the preceding week which ended 18th December, the deaths from these diseases were 157, 208, and 103 respectively.

One hundred and forty-six persons died from diseases of the brain and nervous system, and 59 from diseases of the organs of circulation.

The deaths of 2 nonagenarians were registered during the week; and the widow of a farmer died on 22d December in the Aged Pilgrims' Asylum, Camberwell, at the age (as stated) of 100 years.

The deaths of 7 infants from syphilis, of 3 persons from alcoholism, of 3 children and 2 adults from burns or scalds, of 6 infants and one adult from suffocation, and of 7 persons who committed suicide were registered.

The daughter of a horse-dealer, aged 2 years, died on 18th December, at 10 Great York-mews, Marylebone (Rectory sub-district), from "relapsing fever (10 days); typhus fever."

The following deaths of 4 adults and one child occurred in the London Fever Hospital:—

A female, aged 70 years, from Rose and Crown-court, Islington, died on 12th December, from "relapsing fever; bronchitis."

A male, aged 28 years, from 2 Bedford-street, Strand, died on 15th December, from "relapsing fever; albuminuria; coma."

A boy, aged 6 years, from 2 Henrietta-street, Marylebone, died on 16th December, from "relapsing fever; pneumonia; and pleurisy."

A charwoman, aged 63 years, from Woolwich, died on 16th December, from "relapsing fever; pleuro-pneumonia; fatty liver and kidneys."

A female servant, aged 26 years, from 7 Granby-place, Drury-lane, died on 17th December, from "relapsing fever; œdema glottidis; sudden." *Post mort.*

A female hawker, aged 66 years, died on 18th December in the Union Workhouse, Battersea, from "relapsing fever."

A needlewoman, aged 70 years, was found dead, on 19th December, at 11 Floreston-street, Mile End Old Town; "want of sufficient nourishment and from other privations." (*Inquest.*)

The following deaths of 2 persons who were killed by horses or vehicles in the streets were registered:—

The son of a farrier, aged 15 years, "fractured skull and compression of brain; knocked down by a cab in Piccadilly when riding a bicycle." Died on 12th December in St. George's Hospital. (*Inquest.*)

A man, aged 50 years, "fractured pelvis; knocked down by a horse and cart." Died on 18th December in the London Hospital. (*Inquest.*)

The waters supplied by the Metropolitan Companies during the month of December, contained (according to Professor Frankland's analysis) in 100,000 tons foreign solid matters amounting to 28 tons in the Chelsea water, 27 in the West Middlesex, 28 in the Southwark and Vauxhall, 28 in the Grand Junction, 29 in the Lambeth, 29 in the New River, 29 in the East London, and 40 in the Kent. 100,000 tons of the Chelsea water contained 19 tons, the West Middlesex 23 tons, the Southwark and Vauxhall 22 tons, the Grand Junction 23 tons, the Lambeth 19 tons, the New River 25 tons, the East London 25 tons, and the Kent 30 tons of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

A sample of Thames water, taken on 8th December at London Bridge, in mid-stream at low water, and filtered, contained on analysis, in 100,000 tons foreign solid matters amounting to 34 tons, and 25 tons of carbonate of lime, or an equivalent quantity of other soap destroying ingredients.

Professor Frankland remarks:—"The water drawn from the main of the "Lambeth Company was very turbid and unfit for domestic use without previous "filtration. The Chelsea Company's water was moderately turbid, whilst that of "the East London Company had brownish particles suspended in it. All these "waters contained living organisms. The rest of the Companies delivered per-"fectly clear and transparent water. The water supplied by the New River "Company contained the smallest proportion of organic elements. The West "Middlesex Company delivered water of much better quality than that supplied "by any other Company drawing from the Thames."

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·488 in. The barometrical reading increased from 29·15 in. at 1 P.M. on Sunday, 19th December, to 29·85 in. on Friday, 24th December. The mean temperature of the air in the week was 38·2°, which is 0·3° below the average of the same week in 50 years (as determined by Mr. Glaisher). The mean temperature of Sunday, 19th December, was 6° above, while that of Saturday, 25th December, was nearly 7° below the average. The highest day temperature was 52·5° on Sunday, 19th December. The lowest night temperature was 29·0° on Saturday, 25th December. The entire range of temperature in the week was, therefore, 23·5°. The mean of the highest temperatures of the water of the Thames was 42·7°; that of the lowest was 40·5°. The difference between the mean dew-point temperature and air temperature was 4·3°. The mean degree of humidity of the air was 85, complete saturation being represented by 100. Rain fell to the amount of 0·86 in., of which 0·77 in. fell on Tuesday, 21st December. The general direction of the wind was N.N.E., N., W.S.W. The amount of ozone was one half of that in the preceding week.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 292,685 cubic metres, and at Barking 187,431 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons, and weighs 2200 lbs.

SIR, *Royal College of Chemistry, 24th December*, 1869.

I have the honour to submit to you in the following Table the results of the chemical examination of the waters supplied to the Metropolis during the month of December. For the purpose of comparison I append also the results yielded by the waters supplied to the towns of Edinburgh, Newcastle, Glasgow, Manchester, Bristol, Dublin, and Norwich, and by Thames water taken at London Bridge at low water on the 8th instant.

The water drawn from the main of the Lambeth Company was very turbid and unfit for domestic use without previous filtration. The Chelsea Company's water was moderately turbid, whilst that of the East London Company had brownish particles suspended in it. All these waters contained living organisms. The rest of the Companies delivered perfectly clear and transparent water. The water supplied by the New River Company contained the smallest proportion of organic elements. The West Middlesex Company delivered water of much better quality than that supplied by any other Company drawing from the Thames.

The above analysis of Thames water as it flows under London Bridge shows that its quality is now so much improved by the diversion of a large proportion of

the Metropolitan sewage as to render it, if first filtered through sand, available for floating baths, through which a constant and copious stream of pellucid water might easily, and at a moderate cost, be made to flow. Such baths for swimming and general bathing would be, owing to the continual renewal of the water, vastly superior to the ornamental lakes of our parks, or to any baths at present available to large numbers of the population. It is to be hoped that in the coming bathing season private enterprise may find it profitable to supply to the inhabitants of the Metropolis a great sanitary boon, which has been long enjoyed by most continental cities.

I have, &c.

The Registrar General, &c. &c. &c. E. Frankland.

Results of Analysis expressed in Parts per 100,000.

Companies.	Date and Place of Collection.	Temperature in centigrade degrees.	Total Solid Impurity.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Nitrogen.	Previous Sewage Contamination. (Estimated.)	Chlorine.	Total Hardness.
Thames.											
Chelsea	1st December, Cab Rank, Horse Guards	7·5	27·6	·289	·045	·001	·351	·397	3200	1·70	19·47
West Middlesex	1st December, Cab Rank, Portland-road	6·7	27·4	·139	·018	·000	·260	·278	2280	1·52	22·62
Southwark and Vauxhall	1st December, Cab Rank, St. George's Church, Borough	6·7	27·9	·180	·030	·000	·265	·295	2330	1·58	21·75
Grand Junction	1st December, Cab Rank, Woodstock-st.	6·1	27·6	·233	·030	·000	·277	·307	2450	1·60	22·62
Lambeth	1st December, Cab Rank, Lambeth-road	7·2	28·6	·362	·045	·002	·406	·453	3760	1·80	18·92
Other Sources.											
New River	1st December, Cab Rank, Tottenham-court-road	7·2	28·9	·075	·014	·000	·274	·288	2420	1·38	25·25
East London	2d December, Slater's Lamp Black Works, Old Ford-road	6·7	29·4	·117	·016	·000	·208	·224	1760	1·70	25·25
Kent	2nd December, Deptfd. Bdge, Police Stat.	6·7	40·1	·076	·016	·000	·377	·393	3450	2·50	29·95
Edinburgh Waters.											
Crawley Burn	September 1868		11·28	·187	·031	·001	·000	·032	0	1·042	6·1
Comiston Water			22·58	·085	·017	·001	·744	·762	7124	1·886	10·4
Swanston Water			12·70	·378	·059	·001	·000	·060	0	1·390	6·2
Colinton Water			14·10	·203	·042	·000	·000	·042	0	·894	9·2
Newcastle	September 1868		23·4	·237	·062	·000	·000	·062	0	1·588	13·9
Loch Katrine	July 1868, Glasgow		3·0	·161	·011	·001	·000	·012	0	·905	0·3
Manchester	June 1868, Manchester		6·2	·183	·009	·006	·025	·039	0	1·117	3·7
Bristol	February 1869, Bristol Waterworks		28·66	·160	·017	·001	·203	·221	1720	1·300	24·46
Dublin	April 1869, Dublin Water Supply		6·34	·238	·024	·001	·000	·025	0	1·240	2·97
Norwich	September 1868, Norwich Water Supply		28·18	·227	·055	·000	·000	·055	0	2·631	23·68
Thames water, filtered	8th Dec. 1869, London Bridge mid-stream at low water		34·3	·558	·085	·103	·351	·521	4040	2·6	25·25
Column 1	2	3	4	5	6	7	8	9	10	11	12

The numbers in columns 4, 5, 6, 7, 8, 9, 10, 11, and 12 all relate to 100,000 parts of the waters. The Table is to be read thus: the Chelsea Company's water collected on the 1st December at the Horse Guards' cab rank had a temperature of 7·5° C.; 100,000 lbs. of it contained 27·6 lbs. of solid impurity; the organic matter, constituting a portion of this impurity, contained ·289 lb. of carbon and ·045 lb. of nitrogen. This solid impurity also contained ·351 lb. of nitrogen in the form of nitrates and nitrites, besides ·001 lb. of ammonia, whilst the total amount of *combined* nitrogen in every form was ·397 lb. The above quantity of water supplied by the Chelsea Company had been, after its descent to the earth as rain, contaminated with sewage or manure matter equivalent to 3200 lbs. of average filtered London sewage. By gradual oxidation, partly in the pores of the soil, partly in the Thames and its tributaries, and partly in the reservoirs, filters, and conduits of the company, this sewage contamination had been converted into innocuous inorganic compounds before its delivery to consumers. The above quantity of water also contained 1·70 lbs. of chlorine. Finally, 100,000 lbs. of the Chelsea Company's water contained 19·47 lbs. of carbonate of lime, or an equivalent quantity of other soap-destroying ingredients.

LONDON.—**Births** and **Deaths** Registered LAST WEEK, and in the FIFTY-FIRST Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
Total Births	1831	1488	1523	1610	1532	1956	1674	1900	1701	1664	1687·9	1943
Males . .	952	734	780	829	805	1000	869	990	887	808	865·4	993
Females . .	879	754	743	781	727	956	805	910	814	856	822·5	950
Total Deaths	1677	1407	1148	1292	1312	1697	1603	1436	1433	1262	1426·7	1357*
Males . .	859	682	556	657	649	846	773	753	724	619	711·8	705
Females . .	818	725	592	635	663	851	830	683	709	643	714·9	652

LONDON.—COMPARATIVE TABLE of RESULTS in the Last THIRTEEN WEEKS.

	Oct. 2.	Oct. 9.	Oct. 16.	Oct. 23.	Oct. 30.	Nov. 6.	Nov. 13.	Nov. 20.	Nov. 27.	Dec. 4.	Dec. 11.	Dec. 18.	Dec. 25.
DEATHS - - - - -	1395	1367	1305	1476	1536	1772	1689	1859	1676	1705	1759	1566	1357
Deaths under 5 years of age -	690	661	681	736	719	848	773	855	790	811	828	706	596
Deaths under 20 years of age	848	797	801	903	870	997	957	1024	931	989	966	839	726
Deaths 20—40 - - -	175	189	163	182	192	226	197	233	190	178	187	175	159
Deaths 40–60 - - -	178	199	177	178	240	223	245	246	249	243	260	237	212
Deaths at 60 years of age and upwards - - -	194	182	164	213	234	326	290	356	306	295	346	321	260
Deaths from Smallpox - -	6	4	8	3	2	9	9	6	5	10	11	8	5
" " Measles - -	20	22	27	27	29	46	31	50	50	40	35	26	31
" " Scarlet Fever -	238	216	224	233	229	241	218	208	219	245	209	186	123
" " Diphtheria -	6	9	14	11	11	8	10	7	7	4	8	8	7
" " Whooping-cough	51	51	60	67	45	74	69	69	70	63	71	62	[illegible]
" " Typhus fever -	8	9	7	9	8	11	10	13	11	13	7	12	8
" " Enteric fever -	22	14	16	23	30	18	14	27	23	18	14	16	14
" " Simple Cont^{d} fever	12	10	13	6	6	12	15	14	11	18	19	16	16
" " Diarrhœa - -	76	57	51	45	34	29	21	29	20	19	13	14	14
" " Phthisis - -	141	155	141	150	175	191	173	159	187	153	148	157	119
" " Bronchitis - -	64	74	72	101	150	219	227	265	250	272	259	208	185
" " Pneumonia -	50	54	56	70	102	114	133	138	119	106	122	103	87
" " Heart Disease -	55	59	55	57	60	66	70	79	69	62	76	69	55
Mean Temperature of the Air	58°·8	56°·7	54°·5	42°·7	40°·0	46°·6	41°·1	45°·8	41°·0	34°·2	39°·2	44°·7	38°·2
Mean Temperature of the Water of the Thames -	57·1	57·0	57·4	50·0	45·7	45·0	44·0	44·3	43·1	39·7	36·3	40·0	41·6
Humidity of the Air - -	81	86	85	84	79	81	79	88	89	83	93	84	85
Rain-fall in inches - -	0·81	0·02	0·25	0·90	0 21	0·27	0·08	0·10	1·16	0·80	0·43	1·23	0·86

Note.—The deaths of last week may be compared with the average of deaths in corresponding weeks of 1859–68 after raising the average by a tenth part for increase of population.

* Averages of deaths (derived from the returns of six previous weeks) are substituted for the true numbers in the following sub-districts, whose returns had not been received when the Tables were under preparation:—St. Giles North, average 9, true number 6; Greenwich East, average 11, true number 6; Charlton, average 5, true number 2; Plumstead West, average 6, true number 5.

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 25th day of December 1869, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 25th Dec.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 25th Dec.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	Rain Fall. In Tons per Acre.	Temperature of the Air. (Centigrade.) Highest during the Week.	Lowest during the Week.	Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4050**	**3244**	**3095**	**59·0**	**22·7**	**37·7**	**0·60**	**61**	**15·00**	**−5·17**	**3·17**	**152**
London (Metropolis . .	3,170,754	40·7	2070	1943	1462	1357	52·5	29·0	38·2	0·86	87	11·39	−1·67	3·44	214
Bristol . . (City) .	169,423	36·1	109	93	76	93 *	46·2	29·6	38·0	1·09	110	7·89	−1·33	3·33	277
Birmingham . (Borough) .	360,846	46·1	283	242	175	179	45·6	29·4	38·0	1·02	103	7·56	−1·45	3·33	259
Liverpool . . (Borough) .	509,052	99·7	345	330	295	242	44·2	27·5	36·5	0·30	30	6·78	−2·50	2·50	76
Manchester . (City) .	370,892	82·7	277	237	210	209 *	44·0	29·0	37·5	0·17	17	6·67	−1·67	3·06	43
Salford . . (Borough) .	119,350	23·1	89	71	60	56	44·6	28·8	37·7	0·20	20	7·01	−1·77	3·17	51
Sheffield . . (Borough) .	239,752	10·5	196	172	126	137	45·0	29·9	38·0	0·59	60	7·22	−1·17	3·33	150
Bradford . . (Borough) .	138,522	21·0	105	66	71	43	55·2	32·3	39·3	0·88	89	12·89	0·17	4·06	224
Leeds . . . (Borough) .	253,110	11·7	189	177	129	105	57·0	30·0	40·2	1·17	118	13·89	−1·11	4·55	297
Hull . . . (Borough) .	126,682	35·6	83	63	59	57	..	..	..	..	..	..	..	..	..
Newcastle-on-Tyne (Borough)	130,503	24·5	90	82	69	57	51·0	30·0	37·1	0·80	81	10·56	−1·11	2·84	203
Edinburgh . (City) .	178,002	40·2	112	109	86	92	..	..	..	0·10	10	..	..	..	25
Glasgow . . (City) .	458,937	90·6	374	332	268	316	45·2	22·7	35·4	0·48	48	7·33	−5·17	1·89	122
Dublin (City and some suburbs)	320,762	32·9	219	133	158	152	59·0	28·5	36·5	0·08	8	15·00	−1·94	2·50	20
Paris . . . (City) .	1,889,842	..	..	..	..	980	..	..	..	..	..	..	..	..	..
				Week ending 18 Dec. 1869.		Week ending 18 Dec. 1869.	Week ending 18th December 1869.					Week ending 18th December 1869.			
Vienna . . (City) .	605,200	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 23 Dec. 1869.		Week ending 23 Dec. 1869.	Week ending 23d December 1869.					Week ending 23d December 1869.			
Berlin . . (City) .	(1867) 702,437	..	..	..	..		..	..	..	..	..	..	..	..	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham; J. Hartnup, Esq., Liverpool; T. Mackereth, Esq., Eccles, near Manchester; G. V. Vernon, Esq., Old Trafford, Manchester; D. Doncaster, Esq., jun., Sheffield; J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 25th December, 1869.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	1943	1357	5	31	123	7	65	38	14
WEST DISTRICTS -	279	201	1	4	11	1	12	3	3
NORTH DISTRICTS -	436	324	1	7	35	1	13	14	-
CENTRAL DISTRICTS -	198	123	-	2	9	2	5	2	-
EAST DISTRICTS -	414	289	2	4	30	1	15	10	3
SOUTH DISTRICTS -	616	420	1	14	38	2	20	9	8
WEST DISTRICTS.									
St. Mary Paddington *WH*	30	17	1	-	1	-	1	-	-
St. John Paddington H	14	14	-	-	1	1	-	-	-
Kensington Town *W* -	45	24	-	2	3	-	-	-	1
Brompton H - -	6	8	-	-	-	-	-	2	-
St. Peter Hammersmith	6	-	-	-	-	-	-	-	-
St. Paul Hammersmith	18	8	-	-	1	-	-	-	-
Fulham *W* - - -	10	12	-	-	-	-	1	-	-
Chelsea South H - -	15	18	-	1	-	-	3	1	-
Chelsea North-west H *Ww*	8	16	-	-	-	-	1	-	-
Chelsea North-east -	9	5	-	1	1	-	-	-	1
Hanover Square - -	8	3	-	-	-	-	-	-	-
May Fair *W* - -	5	2	-	-	-	-	-	-	-
Belgrave H - - -	45	29	-	-	2	-	4	-	-
St. John Westminster -	21	19	-	-	1	-	1	-	-
St. Margaret West. *WH*	8	14	-	-	-	-	1	-	1
St. James's Square -	6	1	-	-	-	-	-	-	-
Golden Square *W* -	7	5	-	-	-	-	-	-	-
Berwick-street - -	9	1	-	-	-	-	-	-	-
St. Anne Soho - -	9	5	-	-	1	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	15	14	-	-	1	-	-	-	-
Cavendish Square - -	7	8	-	-	1	-	-	-	-
Rectory Marylebone *W*	15	22	-	-	2	-	3	2	-
St. Mary Marylebone -	17	12	-	-	3	-	-	1	-
Christchurch Marylebone	19	16	-	2	2	-	1	-	-
St. John Marylebone -	18	11	-	3	-	-	1	-	-
Hampstead *W* - -	11	10	-	-	1	-	-	-	-
Regent's Park Pancras -	24	13	-	1	1	-	-	2	-
Tottenham-court *w*H -	20	14	-	-	1	-	-	-	-
Gray's Inn Lane H -	19	21	-	-	2	-	-	-	-
Somers Town - -	21	11	-	-	1	-	1	2	-
Camden Town *W* -	15	15	-	-	-	-	-	-	-
Kentish Town - -	42	25	-	1	2	-	3	-	-
Islington West* *WHH*	44	44	-	-	10	1	3	7	-
Islington East *Ww* -	78	36	1	-	5	-	1	-	-
Stoke Newington - -	4	1	-	-	-	-	-	-	-
Stamford Hill - -	4	2	-	-	1	-	-	-	-
West Hackney - -	11	8	-	-	-	-	-	-	-
Hackney *WHw* - -	37	30	-	-	1	-	-	-	-
South Hackney L -	15	11	-	-	1	-	-	-	-
CENTRAL DISTRICTS.									
St. George Bloomsbury -	4	5	-	-	-	-	-	1	-
St. Giles South *W* -	16	7	-	-	-	-	-	-	-
St. Giles North - -	8	9	‖	-	-	-	-	-	-
Long Acre - - -	7	1	-	-	-	-	-	-	-
Charing Cross *WH* -	2	3	-	-	-	-	1	-	-
St. Mary-le-Strand -	3	6	-	-	1	1	-	-	-
St. Clement Danes H -	6	7	-	-	1	-	-	-	-
St. George-the-Martyr H	8	2	-	-	-	-	-	-	-
St. Andrew, East Holb. *W*	9	14	-	-	1	-	-	-	-
Saffron Hill - - -	2	3	-	-	-	-	-	-	-
St. James Clerkenwell *W*	9	7	-	-	-	-	-	-	-
Amwell Clerkenwell -	12	6	-	1	2	-	-	-	-
Pentonville - - -	13	3	-	-	1	-	-	-	-
Goswell-street - -	19	7	-	-	-	-	1	-	-
Old-street - - -	9	2	-	-	-	-	1	-	-
City-road HL - -	24	7	-	-	1	-	1	-	-
Whitecross-street -	8	8	-	-	1	-	-	-	-
Finsbury - - -	9	3	-	-	-	-	1	-	-
St. Botolph East London	9	9	-	1	1	-	-	-	-
Cripplegate - - -	8	3	-	-	-	1	-	-	-
West London North *WH*	1	9	-	-	-	-	-	1	-
West London South -	4	5	-	-	-	-	-	-	-
London City South-west	1	1	-	-	-	-	-	-	-
London City North-west	-	-	-	-	-	-	-	-	-
London City South -	1	-	-	-	-	-	-	-	-
London City South-east	2	-	-	-	-	-	-	-	-
London City North-east	4	1	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.
EAST DISTRICTS.								
Holywell Shoreditch -	8	2	-	-	1	-	-	-
St. Leonard Shrdtch. L†	11	11	-	-	2	-	1	-
Hoxton New Town *w* -	15	11	-	1	1	-	2	-
Hoxton Old Town - -	24	7	-	-	2	-	-	1
Haggerstone West *W* -	13	15	-	-	3	-	-	-
Haggerstone East - -	13	7	-	-	-	-	-	1
Hackney-road - -	24	17	-	1	2	-	1	-
Green, Bthnl. Grn. *WHL*†	29	15	-	-	1	-	1	1
Church, Bethnal Green -	20	10	-	-	1	-	-	-
Town, Bethnal Green -	14	11	-	-	2	-	1	1
Artillery Whitechapel -	4	2	-	-	-	-	-	-
Spitalfields - - -	8	7	-	-	1	-	-	-
Mile End New Town *W*	19	6	-	-	-	-	-	-
Whitechapel North -	2	2	-	-	-	-	-	-
Whitechapel Church H	3	9	-	-	-	-	-	-
Goodman's Fields - -	10	4	-	1	-	-	-	-
Aldgate - - - -	5	2	-	-	-	-	-	-
St. Mary St. Geo. East -	6	7	-	-	1	-	1	-
St. Paul St. Geo. East -	13	12	-	-	1	1	1	1
St. John St. Geo. East *W*	4	11	-	-	2	-	-	2
Shadwell *W* - - -	4	5	-	-	-	-	1	-
Ratcliff *W* - - -	10	8	-	-	-	-	-	-
Limehouse *W* - -	16	10	-	-	-	-	-	-
Mile End Old Town, West	31	25	1	-	4	-	1	-
Mile End Old T., East *Ww*	36	25	1	-	2	-	3	1
Bow *ww*L† - - -	42	25	-	-	3	-	1	2
Poplar *W* - - - -	30	23	-	1	1	-	1	-
SOUTH DISTRICTS.								
Christchurch Sthwark. *W*	11	9	-	-	-	-	-	-
St. Saviour Southwark H	9	6	-	2	-	-	-	-
St. Olave Southwark H	3	17	-	1	-	-	-	-
St. John Horsleydown *W*	6	9	-	-	1	-	-	-
St. James Bermondsey -	29	20	-	-	3	1	2	-
St. Mary Magdalen *W* -	12	9	-	1	-	-	-	-
Leather Market - -	17	7	-	1	-	-	-	-
Kent-road - -	11	13	-	1	1	-	1	-
Borough-road *W* - -	11	14	-	-	-	-	-	-
London-road L - -	11	13	1	-	1	-	2	-
Trinity Newington -	18	8	-	-	2	-	-	-
St. Peter Walworth *W*	36	17	-	-	4	-	1	-
St. Mary Newington H	9	9	-	-	2	-	-	-
Waterloo-road 1st -	13	4	-	-	-	-	-	-
Waterloo-road 2nd -	19	12	-	-	1	-	1	-
Lambeth Church 1st -	10	9	-	1	1	-	2	1
Lambeth Church 2nd *W*	15	21	-	1	2	-	1	1
Kennington 1st - -	28	21	-	1	3	-	-	-
Kennington 2nd - -	16	8	-	-	1	-	3	-
Brixton - - - -	20	11	-	-	3	-	-	-
Norwood *W* - - -	4	4	-	-	-	-	-	-
Clapham - - -	23	6	-	-	-	-	-	-
Battersea *Ww* - -	32	25	-	-	1	-	1	1
Wandsworth L - -	17	4	-	1	-	-	1	-
Putney - - - -	11	2	-	-	-	-	1	-
Streatham - - -	8	4	-	-	1	-	-	1
Dulwich - - -	-	1	-	-	-	-	-	-
Camberwell *WL*†*L*† -	17	8	-	-	-	-	1	-
Peckham - - -	26	16	-	-	1	-	2	1
St. George Camberwell -	25	14	-	-	3	-	-	-
Rotherhithe *W* - -	14	11	-	-	2	-	-	-
St. Paul Deptford - -	35	11	-	-	1	-	-	1
St. Nicholas Deptford -	6	2	-	-	-	-	-	-
Greenwich West H -	8	10	-	1	2	-	-	1
Greenwich East *WH* -	14	11	‖	-	-	-	-	-
Eltham - - - -	2	1	-	-	-	-	-	-
Lee - - - -	7	7	-	-	-	-	-	-
Lewisham Village *W* -	5	4	-	-	-	-	-	-
Sydenham - - -	14	5	-	-	-	-	-	1
Charlton H - - -	4	5	‖	-	-	-	-	-
Woolwich Dockyard H	4	7	-	-	-	1	-	-
Woolwich Arsenal H -	17	11	-	1	2	-	-	1
Plumstead, West - -	10	6	‖	-	-	-	-	-
Plumstead, East - -	9	8	-	2	-	-	1	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh. is in Chelsea North-west sub-district.
The Strand - - ,, ,, Tottenham-court sub-district.
West London - - ,, ,, Islington East.
East London - - ,, ,, Hackney sub-district.
St. Luke Middlesex - ,, ,, Hoxton New Town sub-district.
London City - - ,, ,, Mile End Old Town Eastern sub-district and Bow sub-district.
Stepney - - - ,, ,, Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.
‖ Returns not received in time for the above Table. Greenwich East includes *one* death from *diphtheria*. Charlton, *one* from *scarlet fever* and *one* from *fever*. Plumstead West, one from *measles* and *one* from *whooping-cough*.

DEATHS in LONDON, from ALL CAUSES, Registered in the FIFTY-FIRST WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 31 1859	Dec. 29 1860	Dec. 28 1861	Dec. 27 1862	Dec. 26 1863	Dec. 31 1864	Dec. 30 1865	Dec. 29 1866	Dec. 28 1867	Dec. 26 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 25, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature . .	45°·3	25°·9	36°·6	42°·2	42°·5	35°·6	41°·2	44°·0	37°·2	44°·2	39°·5	Mean Temp. 38°·2						
	ALL CAUSES . . .	1677	1407	1148	1292	1312	1697	1603	1436	1433	1262	1426·7	1357†	596	709	155	207	216	39
	SPECIFIED CAUSES .	1649	1397	1132	1285	1301	1660	1588	1423	1402	1229	1406·6	1321	594	706	155	206	215	39
	(CLASSES.)																		
I.	ZYMOTIC DISEASES .	326	287	298	360	342	340	343	281	289	261	312·7	340	222	292	26	7	11	4
II.	CONSTITUTIONAL „ .	251	265	180	207	228	264	300	270	244	223	243·2	214	45	59	69	65	21	..
II.	LOCAL „ .	827	647	468	529	548	808	705	663	639	564	639·8	601	236	255	52	126	148	20
IV.	DEVELOPMENTAL „ .	175	155	144	155	142	172	169	166	187	137	160·2	130	80	82	4	2	27	15
V.	VIOLENT DEATHS . .	70	43	42	34	41	76	71	43	43	44	50·7	36	11	18	4	6	8	..
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES . .	305	262	278	339	321	306	318	255	270	243	289·7	317	204	274	24	5	10	4
	2. ENTHETIC „ . .	3	8	5	10	10	12	3	6	8	6	7·1	7	7	7	..	..	..	..
	3. DIETIC „ . .	16	17	11	10	9	18	19	16	9	11	13·6	13	8	8	2	2	1	..
	4. PARASITIC „ . .	2	..	4	1	2	4	3	4	2	1	2·3	3	3	3	..	..	..	..
II.	1. DIATHETIC „ . .	47	40	40	35	37	58	50	38	36	45	42·6	53	4	7	4	29	13	..
	2. TUBERCULAR „ . .	204	225	140	172	191	206	250	232	208	178	200·6	161	41	52	65	36	8	..
III.	1. DISEASES OF NERVOUS SYSTEM . .	195	145	135	121	129	182	177	162	129	135	151·0	146	60	66	9	25	42	4
	2. „ OF ORGANS OF CIRCULATION .	73	74	39	68	63	80	82	74	74	66	69·3	59	..	6	12	21	15	5
	3. „ OF RESPIRATORY ORGANS . .	470	348	225	272	279	447	358	340	345	267	335·1	313	162	168	15	49	71	10
	4. „ OF DIGESTIVE ORGANS . .	54	53	47	43	45	55	48	50	49	54	49·8	44	10	10	6	17	10	1
	5. „ OF URINARY ORGANS . . .	21	14	12	15	17	31	24	23	21	20	19·8	24	2	2	5	9	8	..
	6. „ OF ORGANS OF GENERATION .	8	4	3	4	6	7	6	5	5	15	6·3	7	..	..	2	4	1	..
	7. „ OF ORGANS OF LOCOMOTION .	2	4	3	1	2	3	6	4	3	4	3·2	5	2	3	1	..	1	..
	8. „ OF INTEGUMENTARY SYSTEM .	4	5	4	5	7	3	4	5	13	3	5·3	3	..	..	2	1	..	..
IV.	1. DEV. DISEASES OF CHILDREN	37	38	45	39	43	39	38	30	44	40	39·3	37	37	37	..	..	..	..
	2. „ OF ADULTS . .	6	3	3	4	7	7	6	5	11	8	6·0	6	..	1	4	1	..	..
	3. „ OF OLD PEOPLE	79	62	48	63	52	70	59	55	64	38	59·0	42	..	..	..	..	27	15
	4. DISEASES OF NUTRITION .	53	52	48	49	40	56	66	76	68	51	55·9	45	43	44	..	1	..	..
V.	1. ACCIDENT OR NEGLIGENCE .	60	38	38	31	31	70	61	37	34	38	43·8	29	11	17	2	3	7	..
*	3. HOMICIDE	3	1	2	..	3	2	4	2	6	3	2·6	..	..	..	..	..	..	..
	4. SUICIDE	7	4	2	3	7	4	6	4	3	3	4·3	7	..	1	2	3	1	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	8	5	4	4	1	5	9	..	3	1	4·0	2	1	1	..	..	1	..
	CAUSES NOT SPECIFIED . .	20	5	12	3	10	32	6	13	28	32	16·1	34†	1	2	..	1	..	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

† Averages amounting to 31 are added, without distinction of ages. See note *, page 448.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 31 1859	Dec. 29 1860	Dec. 28 1861	Dec. 27 1862	Dec. 26 1863	Dec. 31 1864	Dec. 30 1865	Dec. 29 1866	Dec. 28 1867	Dec. 26 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 25, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and
	Mean Temperature	°45·3	°25·9	°36·6	°42·2	°42·5	°35·6	°41·2	°44·0	°37·2	°44·2	°39·5	Mean Temp. °38·2						
I.	ORDER 1.																		
	1. Small-pox	46	8	2	28	14	8	13	35	17	6	17·7	5	4	4	1	..	..	...
	2. Measles	45	49	19	61	44	42	46	25	50	17	39·8	31	30	31	..	..	..	...
	3. Scarlet Fever (Scarlatina)	65	45	69	77	78	53	46	41	30	67	57·1	123	70	118	5	..	..	...
	4. Diphtheria	12	12	17	18	16	7	15	10	12	8	12·7	7	4	7	..	..	..	...
	5. Quinsy	..	..	1	2	2	2	3	..	2	5	1·7	1	..	..	1	..	..	...
	6. Croup	8	19	37	14	19	18	16	14	20	11	17·6	11	11	11	..	..	..	...
	7. Whooping-cough	50	59	45	57	49	43	64	58	55	33	51·3	65	63	65	..	..	..	...
	8. Typhus — Enteric Fever *— Simple continued Fever	37	27	50	47	54	90	74	41	52	54	52·6	8 14 16	1 3 4	1 13 8	4 .. 2	2 1 ..	1 .. 5	 11
	9. Erysipelas	9	5	6	7	15	11	7	5	7	16	8·8	4	2	3	..	..	1	...
	10. Puerperal Fever (Metria)	3	3	9	6	4	3	3	2	1	4	3·8	6	..	..	6	..	..	...
	11. Carbuncle	2	..	1	2	1	..	..	..	1	..	·7	..	..	..	..	..	..	...
	12. Influenza	2	1	3	1	..	..	2	1	3	2	1·5	2	2	2	..	..	..	...
	13. Dysentery	4	2	1	..	1	3	1	3	3	2	2·0	1	..	..	..	..	1	...
	14. Diarrhœa	10	21	12	9	9	12	12	14	11	10	12·0	14	10	10	1	..	2	11
	15. Simple Cholera	..	..	..	..	..	..	1	1	..	..	·2	..	..	..	..	..	..	...
	16. Ague	..	2	1	1	1	..	..	..	..	1	·6	1	..	..	1	..	..	...
	17. Remittent fever	3	3	1	1	1	4	1	..	..	..	1·4	2	..	1	..	1	..	...
	18. Rheumatism	9	6	4	8	13	10	14	4	6	7	8·1	6	..	..	3	1	..	22
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	...
	ORDER 2.																		
	1. Syphilis	1	7	5	9	7	9	3	6	8	6	6·1	7	7	7	..	..	..	...
	2. Stricture of Urethra	2	1	..	1	3	2	..	..	..	..	·9	..	..	..	..	..	..	...
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	...
	4. Glanders	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	...
	ORDER 3.																		
	1. Privation	1	1	1	..	..	2	..	..	..	..	·5	1	..	..	..	..	1	...
	2. Want of Breast-milk	7	9	10	7	5	12	10	10	7	5	8·2	8	8	8	..	..	..	...
	3. Purpura and Scurvy	..	1	..	1	..	..	2	2	1	3	1·0	1	..	..	1	..	..	...
	4. Alcoholism *a* Del. Tremens *b* Intemperance	3 5	2 4	.. ..	1 1	1 3	1 3	1 6	1 3	1 ..	2 1	1·3 2·6	1 2	.. ..	.. ..	1 ..	.. 2	.. ..	... ...
	ORDER 4.																		
	1. Thrush	2	..	3	1	2	4	3	4	2	1	2·2	3	3	3	..	..	..	...
	2. Worms, &c.	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	...
II.	ORDER 1.																		
	1. Gout	..	1	1	1	4	3	..	5	1	2	1·8	1	..	..	..	1	..	..
	2. Dropsy	16	14	9	8	11	17	26	12	13	13	13·9	15	4	7	2	4	2	..
	3. Cancer	28	24	27	21	22	29	21	20	18	21	23·1	35	..	..	2	23	10	..
	4. Cancrum Oris (Noma)	..	1	..	1	..	1	1	..	1	1	·6	..	..	..	..	..	..	...
	5. Mortification	3	..	3	4	..	8	2	1	3	8	3·2	2	..	..	..	1	1	..
	ORDER 2.																		
	1. Scrofula	7	7	9	7	8	10	9	9	10	15	9·1	5	3	4	..	..	1	...
	2. Tabes Mesenterica	11	13	10	10	17	12	23	13	11	12	13·2	11	10	10	1	..	..	...
	3. Phthisis	154	171	103	129	138	154	181	186	164	136	151·6	119	6	12	64	36	7	...
	4. Hydrocephalus	32	34	18	26	28	30	37	24	23	15	26·7	26	22	26	..	..	..	...
III.	ORDER 1.																		
	1. Cephalitis	14	8	10	11	10	8	7	13	11	13	10·5	15	11	13	1	1	..	...
	2. Apoplexy	34	44	34	29	28	39	45	46	22	38	35·9	42	3	3	4	10	21	44
	3. Paralysis	46	31	30	18	22	45	42	26	28	19	30·7	26	..	..	2	9	15	...
	4. Insanity	1	1	2	2	3	5	2	2	4	2	2·4	3	..	..	..	1	2	...
	5. Chorea	1	1	1	..	1	..	..	..	..	..	·4	1	..	1	..	..	..	...
	6. Epilepsy	15	4	5	5	5	9	15	5	4	7	7·4	3	..	..	..	1	2	...
	7. Convulsions	56	34	40	42	41	63	41	57	40	37	45·1	47	45	47	..	..	..	...
	8. *Brain Disease, &c.*	28	22	13	14	19	13	25	13	20	19	18·6	9	1	2	2	3	2	..
	ORDER 2.																		
	1. Pericarditis	2	1	..	2	5	1	3	2	2	1	1·9	..	..	..	..	..	..	...
	2. Aneurism	3	2	2	1	4	2	4	1	..	4	2·3	4	..	..	3	..	1	..
	3. *Heart Disease, &c.*	68	71	37	65	54	77	75	71	72	61	65·1	55	..	6	9	21	14	15
	ORDER 3.																		
	1. Laryngitis	5	6	6	19	7	13	8	5	7	11	8·7	7	7	7	..	..	..	...
	2. Bronchitis	278	217	113	140	154	282	195	224	202	147	195·2	185	84	86	5	32	53	19
	3. Pleurisy	6	2	1	2	4	7	4	4	6	3	3·9	5	..	..	3	1	1	...
	4. Pneumonia	151	95	67	81	81	107	123	72	86	82	94·5	87	66	69	5	7	5	11
	5. Asthma	21	18	14	17	18	15	10	21	18	8	16·0	11	..	..	..	5	6	...
	6. *Lung Disease, &c.*	9	10	24	13	15	23	18	14	26	16	16·8	18	5	6	2	4	6	...
	ORDER 4.																		
	1. Gastritis	2	..	..	1	2	2	1	1	1	1	1·1	1	..	..	..	..	1	...
	2. Enteritis	4	6	2	5	5	4	2	5	3	7	4·3	3	1	1	..	1	1	...
	3. Peritonitis	2	5	7	2	2	7	5	1	2	9	4·2	3	2	2	..	1	..	..
	4. Ascites	5	4	3	2	2	3	3	2	2	2	2·8	1	..	..	..	1	..	..
	5. Ulceration of Intestines	..	4	..	4	4	2	1	2	2	..	1·9	1	..	..	..	..	1	...
	6. Hernia	7	4	6	3	1	6	3	9	..	..	3·9	6	2	2	..	2	1	1
	7. Ileus	5	4	2	1	2	4	1	4	5	1	2·9	1	..	..	..	1	..	...
	8. Intussusception	1	2	..	1	..	2	..	..	5	3	1·4	..	..	..	..	..	..	...

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," of

* Seven deaths from relapsing fever are included.

h the FIFTY-FIRST WEEK of each of the following Years—*continued.*

lass.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 31 1859	Dec. 29 1860	Dec. 28 1861	Dec. 27 1862	Dec. 26 1863	Dec. 31 1864	Dec. 30 1865	Dec. 29 1866	Dec. 28 1867	Dec. 26 1868	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, December 25, 1869. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	45°3	25°9	36°6	42°2	42°5	35°6	41°2	44°0	37°2	44°2	39°5	Mean Temp. 38°2						
	9. Stricture of Intestines	..	..	1	3	2	1	..	..	1	..	·8	1	..	..	1	..	..	..
	10. Fistula	1	..	1	..	..	..	1	..	1	..	·4	..	..	..	..	..	..	..
	11. *Stomach Disease, &c.*	7	8	4	7	4	6	3	8	5	10	6·2	7	2	2	..	4	1	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	5	2	1	2	6	4	3	1	4	3	3·1	1	..	..	1	..	..	..
	14. Jaundice	5	1	5	4	3	..	5	4	3	1	3·1	6	3	3	1	1	1	..
	15. *Liver Disease, &c.*	10	13	14	8	12	14	20	13	14	17	13·5	13	..	..	3	6	4	..
	16. *Spleen Disease, &c.*	..	..	1	..	..	..	..	..	1	..	·2	..	..	..	..	..	..	..
	ORDER 5.																		
	1. Nephritis	..	..	..	..	3	1	1	2	1	1	·9	2	..	..	1	1	..	..
	2. Ischuria	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	11	7	5	7	8	9	12	9	10	7	8·5	8	..	..	2	3	3	..
	4. Diabetes	..	1	..	..	..	2	..	2	..	3	·8	3	..	..	2	1	..	..
	5. Calculus (Stone)	..	..	..	2	1	..	..	..	2	1	·6	..	..	..	..	..	..	..
	6. Cystitis	2	1	1	1	3	1	1	2	..	2	1·4	1	..	..	..	..	1	..
	7. *Kidney Disease, &c.*	8	5	5	5	2	18	10	8	8	6	7·5	10	2	2	..	4	4	..
	ORDER 6.																		
	1. Ovarian Dropsy	2	1	2	..	1	2	..	1	..	..	·9	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	6	3	1	4	5	5	6	4	5	15	5·4	7	..	..	2	4	1	..
	ORDER 7.																		
	1. Synovitis (Arthritis)	..	..	1	..	..	..	1	..	..	..	·2	1	..	..	..	..	1	..
	2. *Joint Disease, &c.*	2	4	2	1	2	3	5	4	3	4	3·0	4	2	3	1	..	..	..
	ORDER 8.																		
	1. Phlegmon	1	2	2	1	2	2	2	3	6	1	2·2	2	..	..	2	..	..	..
	2. Ulcer	2	2	1	3	3	1	2	..	4	1	1·9	1	..	..	..	1	..	..
	3. *Skin Disease, &c.*	1	1	1	1	2	..	..	2	3	1	1·2	..	..	..	..	..	..	..
IV.	ORDER 1.																		
	1. Premature Birth	19	18	26	24	23	20	26	19	18	24	21·7	12	12	12	..	..	..	..
	2. Cyanosis	3	1	1	1	3	..	2	..	..	1	1·2	2	2	2	..	..	..	..
	3. Spina Bifida	..	1	4	..	1	..	..	3	3	2	1·4	2	2	2	..	..	..	..
	4. Other Malformations	1	2	3	2	3	4	..	..	1	2	1·8	2	2	2	..	..	..	..
	5. Teething	14	16	11	12	13	15	10	8	22	11	13·2	19	19	19	..	..	..	..
	ORDER 2.																		
	1. Paramenia	..	1	..	1	1	..	..	1	1	1	·6	..	..	..	..	..	..	..
	2. Childbirth (*see* Puerperal Fev.)	6	2	3	3	6	7	6	4	10	7	5·4	6	..	1	4	1	..	..
	ORDER 3.																		
	1. Old Age	79	62	48	63	52	70	59	55	64	38	59·0	42	..	..	..	..	27	15
	ORDER 4.																		
	1. Atrophy and Debility	53	52	48	49	40	56	66	76	68	51	55·9	45	43	44	..	1	..	..
V.	ORDER 1. (ACCIDENT or NEGLIGENCE.)																		
	1. Fractures and Contusions	16	13	17	7	10	19	29	13	5	14	14·3	12	1	5	1	3	3	..
	2. Wounds	1	..	..	2	..	..	..	..	1	1	·5	1	..	..	1	..	..	..
	3. Burns and Scalds	13	13	5	7	8	16	11	8	7	7	9·5	5	2	4	..	..	1	..
	4. Poison	1	..	2	1	1	2	2	1	2	..	1·2	1	..	..	..	..	1	..
	5. Drowning	7	5	5	1	3	3	6	2	7	6	4·5	..	..	..	..	..	..	..
	6. Suffocation	20	6	9	11	7	20	12	12	11	7	11·5	7	6	6	..	..	1	..
	7. Otherwise	2	1	..	2	2	10	1	1	1	3	2·3	3	2	2	..	..	1	..
	ORDER 3. (HOMICIDE.)																		
	1 Murder and Manslaughter	3	1	2	..	3	2	4	2	6	3	2·6	..	..	..	..	..	..	..
	ORDER 4. (SUICIDE.)																		
	1. Wounds { Gunshot	..	..	..	..	1	..	..	..	..	..	·1	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	3	..	..	..	..	..	1	2	1	2	·9	1	..	..	..	1	..	..
	2. Poison	1	2	..	3	1	..	..	1	..	1	·9	3	..	..	2	1	..	..
	3. Drowning	1	..	..	..	1	1	..	..	..	..	·3	1	..	1	..	..	..	..
	4. Hanging	2	2	1	..	4	2	4	1	1	..	1·7	2	..	..	..	1	1	..
	5. Otherwise	..	..	1	..	..	1	1	..	1	..	·4	..	..	..	..	..	..	..
	ORDER 5. (EXECUTION.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Sudden Deaths (Cause unascertained)	8	5	4	4	1	5	9	..	3	1	4·0	2	1	1	..	..	1	..
	Causes not specified or ill-defined	20	5	12	3	10	32	6	13	23	32	16·1	34†	1	2	..	1	..	..

hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when ne result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture f the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

* Averages amounting to 31 are added, without distinction of ages. See note *, page 448.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 25th December, 1869.

[Under the Superintendence of the Astronomer Royal.]

1869. Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point and Air Temperature. Mean daily value.	Difference between Dew Point and Air Temperature. Greatest.	Difference between Dew Point and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
December.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°				lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	19	..	29·235	52·5	40·8	11·7	45·4	38·3	69·7	36·0	43·6	41·4	7·1	9·0	2·4	+ 6·0	76	SW. & WSW.	WSW.	30·0	0·1	2·8	606	0·09	4
Monday . .	20	Greatest Dec. N.	29·444	44·9	36·0	8·9	40·0	36·1	64·7	29·2	44·4	42·4	3·9	5·9	0·7	+ 0·9	86	WSW.	SW. & SSW.	6·4	0·0	0·5	329	0·00	1
Tuesday .	21	..	29·206	42·7	34·7	8·0	38·4	37·4	56·9	30·1	44·5	42·4	1·0	2·3	0·0	— 0·4	97	SSE.	NNW.	1·9	0·0	0·2	213	0·77	0
Wednesday	22	..	29·399	40·5	35·3	5·2	37·4	35·0	40·9	34·3	44·2	41·4	2·4	3·5	0·2	— 1·1	91	NNW. & N.	NE. & NNE.	3·8	0·0	0·3	261	0·00	1
Thursday.	23	..	29·656	43·6	38·0	5·6	39·9	34·1	51·5	32·0	41·4	39·4	5·8	9·0	3·7	+ 1·8	80	NNE.	NNE.	9·0	0·0	2·3	521	0·00	2
Friday . .	24	..	29·837	39·9	30·8	9·1	35·4	32·0	48·7	25·0	40·7	38·4	3·4	5·5	2·2	— 2·4	87	NNE.	NNE. & N.	4·8	0·0	0·5	397	0·00	0
Saturday.	25	..	29·640	33·6	29·0	4·6	30·9	24·4	64·6	19·8	40·4	38·4	6·5	7·7	5·0	— 6·7	76	N.& NE.	NNE, NW, & W.	1·5	0·0	0·2	270	0·00	1
Means . .		..	29·488	42·5	34·9	7·6	38·2	33·9	56·7	29·5	42·7	40·5	4·3	6·1	2·0	— 0·3	85	NNE., N., WSW.		..	..	..	Sum 2597	Sum 0·86	1·3
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date. December.		Electricity.	Sky and Atmosphere.
Sunday	19	The insulating lamp was not burning.	Very variable. Rain fell during the early morning hours, and slight showers also fell in the afternoon and evening. Lightning was seen at night.
Monday	20	No electricity was shown.	A fine day. Light clouds prevailed.
Tuesday	21		Overcast, and very gloomy at times. Rain fell heavily from 5h. A.M. till about 9h. P.M., with a little snow mingled about 3h. P.M.
Wednesday	22		Overcast. Misty.
Thursday	23		Fine; partially cloudy till evening, then overcast, and a little sleet fell.
Friday	24		Overcast during the morning until 10h. A.M.; partially cloudy till evening, then cloudless. A fine day.
Saturday	25		A fine day; partially cloudy till about 3h. P.M.; afterwards cloudless. A little snow fell occasionally in the morning.

NOTES.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and − "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·21 in. at the beginning of the week to 29·17 in. by 3h. 20m. A.M. on the 19th; increased to 29·26 in. by 9h. A.M.; and decreased to 29·15 in. by 1h. P.M. on the same day; increased to 29·47 in. by 9h. A.M. on the 20th; decreased to 29·18 in. by noon on the 21st; increased to 29·85 in. by 9h. A.M. on the 24th; was nearly constant at this reading till after 9h. P.M.; and then decreased to 29·59 in. at the end

WEEKLY RETURN
OF
BIRTHS AND DEATHS IN LONDON
AND IN THIRTEEN OTHER LARGE TOWNS OF THE UNITED KINGDOM.

By Authority of the Registrar General.

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General Register Office, Somerset House, 3d January 1870.

In the week that ended on Saturday, 1st January, 4833 births, and 4202 deaths, were registered in London and in Thirteen other large Towns of the United Kingdom. The annual rate of mortality was 33 per 1000 persons living.

The annual rate of mortality last week was 33 per 1000 in London, 34 in Edinburgh, and 28 in Dublin; 39 in Bristol, 35 in Birmingham, 34 in Liverpool, 39 in Manchester, 40 in Salford, 37 in Sheffield, 27 in Bradford, 30 in Leeds, 30 in Hull, 25 in Newcastle-upon-Tyne, and 37 in Glasgow.

The rate in Berlin during the seven days ending 23d ultimo was 28 per 1000, and in Vienna 27 per 1000 during the week ending 25th ultimo.

In London the births of 1205 boys and 1104 girls, in all 2309 children, were registered last week. In the corresponding weeks of ten years 1859-68 the average number, corrected for increase of population, is 2093.

The deaths registered in London during the week were 1996. It was the fifty-second week of the year; and the average number of deaths for that week is, with a correction for increase of population, 1675. The deaths in the present return exceed by 321 the estimated amount, and are 639 higher than the number recorded in the preceding week.

The births and deaths are considerably in excess of the numbers recorded in the preceding week; which is probably due to an accumulation of cases not then registered on account of the Christmas holidays.

The number of deaths recorded in the last two weeks, when compared with the corrected average of the corresponding weeks of ten years 1859–68, only exhibits an excess on each week of 55 above the calculated amount.

The deaths registered last week from zymotic diseases were 438, the corrected average number being 359. Seven deaths from small-pox, 59 from measles, 159 from scarlet fever, 9 from diphtheria, 57 from whooping-cough, 12 from typhus fever, 18 from enteric fever, 21 from simple continued fever, and 22 from diarrhœa were registered.

The son of an ostler, aged 7 years, died on 25th December at 6 Rose Cottages, D'Eynsford-road, Camberwell, from "choleraic diarrhœa (24 hours)."

The son of an ostler, aged 4 years, died on 25th December, and two sons, aged 1 and 3 years respectively, died on 26th December, from "malignant scarlet fever," at 2 Marshalsea-place, Kent-road, Southwark.

The following 11 deaths from relapsing fever were registered:—

Shoreditch; *St. Leonard.*—At 2 Susannah-row, on 31st December, a carman, aged 45 years, "relapsing fever."

Bethnal-green; *Church.*—At 63 Canrobert-street, on 28th December, the son of a biscuit-baker, aged 3 years, "relapsing fever (1 week); diarrhœa (2 days)."

In same sub-district, at 48 Viaduct-street, on 29th December, a wine-cooper, aged 36 years, "relapsing fever (5 weeks)."

Mile End Old Town; *Eastern.*—At 30 Lichfield-road, on 25th December, the son of a railway clerk, aged 3 years, "relapsing fever."

Islington; *West.*—At the London Fever Hospital, from Stepney, on 18th December, a coal-whipper, aged 62 years, "relapsing fever; jaundice."

At same Hospital, from Camberwell, on 19th December, a female, aged 27 years, "relapsing fever; bronchitis."

At same Hospital, from Peabody-square, Islington, on 21st December, a tailor, aged 73 years, "relapsing fever."

At same Hospital, from Camberwell, on 21st December, a male, aged 52 years, "relapsing fever."

At same Hospital, from Kensington, on 22d Dec., a labourer, aged 52 years, "relapsing fever."

At same Hospital, from 7 Three Colts-lane, Bethnal-green, on 28th December, a butcher, aged 69 years, "relapsing fever; jaundice."

At same Hospital, from 24 Great Wild-street, St. Giles, on 29th December, an artist, aged 63 years, "relapsing fever; bronchitis; jaundice."

Two hundred and seven deaths from phthisis, 305 from bronchitis, and 120 from pneumonia were recorded last week.

The wife of a police constable, aged 30 years, her four children, aged 7 days, 2 years, 5 years, and 10 years respectively, and the daughter of a tailor, aged 8 years, died on 25th December, at 42 Sandwich-street, Gray's-inn-lane, from "suffocation by fumes from a burning house." (*Inquest.*)

The following deaths of 4 persons who were killed by horses or vehicles in the streets were recorded :—

A carman, aged 41 years, "fell from and run over by a van." Died on 23d December in St. Bartholomew's Hospital. (*Inquest.*)

The son of a tobacco-pipe maker, aged 3 years, "knocked down by a horse and cart." Died on 28th December in the London Hospital. (*Inquest.*)

A hairdresser, aged 60 years, "laceration of brain ; fell from a van." Died on 19th December in Guy's Hospital. *Post mort.* (*Inquest.*)

A spinster, aged 19 years, "fracture of skull ; knocked down by a Hansom cab" on 27th December ; found to be dead on her arrival at Guy's Hospital. (*Inquest.*)

During the year 1869, the deaths of 192 persons who were killed by horses or vehicles in the streets were registered. The expected number of deaths calculated from previous observation was 202 ; so that there is we may hope some improvement. Ten persons were killed by horses, 6 by carriages, 18 by omnibuses, 26 by cabs, 58 by vans or waggons, 3 by drays, and 70 by carts. One person was killed by a fire engine.

At the Royal Observatory, Greenwich, the mean height of the barometer in the week was 29·565 in. The barometrical reading decreased from 29·98 in. on Wednesday, 29th December, to 29·16 in. on Saturday, 1st January. The mean temperature of the air in the week was 34·2°, which is 3·2° below the average of the same week in 50 years (as determined by Mr. Glaisher). The highest day temperature was 48·0° on Saturday, 1st January. The lowest night temperature was 21·3° on Tuesday, 28th December. The entire range of temperature in the week was, therefore, 26·7°. On Sunday, 26th December, the mean temperature was 10·4°, on Monday, 27th December, 8·8°, and on Tuesday, 28th December, 10·9° below the average. On Saturday, 1st January, the mean temperature was 8·1° above the average. The mean of the highest temperatures of the water of the Thames was 34·4° ; that of the lowest was 32·5°. The difference between the mean dew-point temperature and air temperature was 4·6°. The mean degree of humidity of the air was 83, complete saturation being represented by 100. Rain fell to the amount of 0·31 in. The general direction of the wind was S.S.W., S., and N.N.E.

According to returns furnished by the engineer of the Metropolitan Board of Works, the daily average quantity of sewage pumped into the river Thames at Crossness was 216,867 cubic metres, and at Barking 99,822 cubic metres, equivalent to about as many tons by weight.

Note.—A cubic metre is equal in volume to about 35 cubic feet or to 220 imperial gallons, and weighs 2200 lbs.

LONDON.—**Births** and **Deaths** Registered LAST WEEK, and in the FIFTY-SECOND Week of Ten previous Years.

	1859	1860	1861	1862	1863	1864	1865	1866	1867	1868	Average of 10 Weeks.	1869
TOTAL **Births**	1831	1488	1523	2146	2308	1956	1674	1900	1701	2505	1903·2	2309
Males . .	952	734	780	1099	1176	1000	869	990	887	1303	979·0	1205
Females . .	879	754	743	1047	1132	956	805	910	814	1202	924·2	1104
TOTAL **Deaths**	1677	1407	1148	1553	1642	1697	1603	1436	1433	1629	1522·5	1996
Males . .	859	682	556	775	832	846	773	753	724	838	763·8	1028
Females . .	818	725	592	778	810	851	830	683	709	791	758·7	968

Births and Deaths registered, and Meteorology during the Week ending Saturday, the 1st day of January 1870, in the following large Towns.

(The municipal boundaries are used for each of the English Towns, except London.)

Boroughs, &c.	Estimated Population in the middle of the Year 1869. (*See note.*)	Persons to an Acre. (1869.)	Births. Corrected Average Weekly Number in 10 Years 1851-60.	Births. Registered during the Week ending 1st Jan.	Deaths. Corrected Average Weekly Number in 10 Years 1851-60.	Deaths. Registered during the Week ending 1st Jan.	Temperature of the Air. (Fahrenheit.) Highest during the Week.	Temperature of the Air. (Fahrenheit.) Lowest during the Week.	Temperature of the Air. (Fahrenheit.) Weekly Mean of the Mean Daily Values.	Rain Fall. In Inches.	Rain Fall. In Tons per Acre	Temperature of the Air. (Centigrade.) Highest during the Week.	Temperature of the Air. (Centigrade.) Lowest during the Week.	Temperature of the Air. (Centigrade.) Weekly Mean of the Mean Daily Values.	Rain Fall per Hectare in Metric Tons.
TOTAL of 14 large Towns	**6,546,587**	**35·5**	**4541**	**4833**	**3244**	**4202**	**50·5**	**11·0**	**34·2**	**0·66**	**67**	**10·28**	**−11·67**	**1·22**	**1·68**
London (Metropolis)	3,170,754	40·7	2070	2309	1462	1996	48·0	21·3	34·2	0·31	31	8·89	−5·94	1·22	·79
Bristol (City)	169,423	36·1	109	140	76	128 *	48·2	20·2	34·7	0·60	61	9·00	−6·56	1·50	1·52
Birmingham (Borough)	360,846	46·1	283	220	175	244	48·4	19·3	33·2	0·65	66	9·11	−7·05	0·67	1·65
Liverpool (Borough)	509,052	99·7	345	380	295	327	48·1	23·8	37·1	0·45	45	8·95	−4·55	2·84	1·14
Manchester (City)	370,892	82·7	277	266	210	277 *	48·0	13·5	32·9	0·54	55	8·89	−10·28	0·50	1·37
Salford (Borough)	119,350	23·1	89	81	60	91	45·1	13·8	32·5	0·44	44	7·28	−10·11	0·28	1·12
Sheffield (Borough)	239,752	10·5	196	184	126	169	47·5	22·7	34·7	0·56	57	8·61	−5·17	1·50	1·42
Bradford (Borough)	138,522	21·0	105	138	71	71	..	..	..	..	..	..	..	..	..
Leeds (Borough)	253,110	11·7	189	272	129	146	46·0	20·0	34·0	0·49	49	7·78	−6·67	1·11	1·25
Hull (Borough)	126,682	35·6	83	101	59	74	43·0	14·0	30·7	0·55	56	6·11	−10·00	−0·72	1·40
Newcastle-on-Tyne (Borough)	130,503	24·5	90	129	69	62	42·0	20·0	33·4	1·40	141	5·56	−6·67	0·78	3·55
Edinburgh (City)	178,002	40·2	112	122	86	116	47·7	21·0	35·7	0·30	30	8·72	−6·11	2·06	·76
Glasgow (City)	458,937	90·6	374	333	268	328	47·2	13·0	33·7	1·74	176	8·44	−10·56	0·95	4·42
Dublin (City and some suburbs)	320,762	32·9	219	158	158	173	50·5	11·0	37·4	0·54	55	10·28	−11·67	3·00	1·37
Paris (City)	1,889,842	..	..	..	..	..	..	..	..	..	..	..	..	..	..
				Week ending 25 Dec. 1869.		Week ending 25 Dec. 1869.	Week ending 25th December 1869.					Week ending 25th December 1869.			
Vienna (City)	605,200	..	..	..	..	312	..	..	39·9	..	..	..	..	4·38	..
	(1867)			Week ending 23 Dec. 1869.		Week ending 23 Dec. 1869.	Week ending 23d December 1869.					Week ending 23d December 1869.			
Berlin (City)	702,437	..	..	537	..	378	..	..	37·6	..	..	..	..	3·12	..

The following gentlemen have been good enough to place their meteorological observations at the disposal of the Registrar General, and the results have been compiled for this Table by J. Glaisher, Esq., F.R.S.:—R. C. Cann-Lippincott, Esq., Over Court, Bristol; D. Smith, Esq., Birmingham: J. Hartnup, Esq., Liverpool: T. Mackereth, Esq., Eccles, near Manchester: G. V. Vernon, Esq., Old Trafford, Manchester: D. Doncaster, Esq., jun., Sheffield: J. McLandsborough, Esq., Bradford; Ed. Filliter, Esq., Leeds; Mr. E. Peak, Hull; and Wm. Lyall, Esq., Newcastle-on-Tyne.

The Return for Edinburgh and Glasgow is kindly furnished by the Registrar General of Scotland, the meteorological observations being supplied respectively by A. K. Johnston, Esq., of Edinburgh, and Professor Grant of Glasgow Observatory; that for Dublin by the Registrar General of Ireland. His Excellency Baron Haussmann, Préfet de la Seine, Paris; Dr. Glatter, the Superintendent of Statistics in Vienna; and Dr. Zuelzer of Berlin, are good enough to supply the returns for those cities.

Note.—The population of Cities and Boroughs in 1869 is estimated on the assumption that the increase since 1861 has been at the same annual rate as between the censuses 1851 and 1861; at this distant period, however, since the last census it is probable that the estimate may in some instances be erroneous. The estimates for Leeds, Bradford, and Hull are, however, based upon local enumerations of the inhabited houses, it having been represented to the Registrar General by the Municipal authorities that the rate of increase in those three towns, since 1861, has been so exceptionally great as to render the foregoing method of estimating the number of inhabitants unreliable.

* The deaths in Manchester and Bristol include those of paupers belonging to these cities who died in Workhouses situated outside the Municipal boundaries.

LONDON.—BIRTHS, DEATHS from ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, and DIARRHŒA registered in each SUB-DISTRICT during the Week ending Saturday, 1st January, 1870.

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
LONDON -	2309	1996	7	59	159	9	57	51	22
WEST DISTRICTS -	297	346	-	18	12	3	9	5	5
NORTH DISTRICTS -	539	437	3	8	44	2	11	22	5
CENTRAL DISTRICTS -	240	213	-	1	13	-	6	2	1
EAST DISTRICTS -	510	436	1	18	32	2	14	12	7
SOUTH DISTRICTS -	723	564	3	14	58	2	17	10	4
WEST DISTRICTS.									
St. Mary Paddington *WH*	35	29	-	2	2	-	-	-	2
St. John Paddington H	9	20	-	3	-	-	-	-	-
Kensington Town *W* -	58	57	-	10	2	-	1	-	1
Brompton H - -	13	15	-	-	1	-	-	-	-
St. Peter Hammersmith	4	1	-	-	-	-	-	-	-
St. Paul Hammersmith	21	35	-	-	-	2	1	2	-
Fulham *W* - - -	16	18	-	-	1	-	3	1	-
Chelsea South H - -	18	20	-	2	2	-	1	1	-
Chelsea North-west H *Ww*	12	19	-	-	-	-	-	-	-
Chelsea North-east -	8	12	-	-	1	-	-	1	-
Hanover Square - -	11	4	-	-	-	-	-	-	-
May Fair *W* - -	8	8	-	-	-	1	-	-	1
Belgrave H - - -	22	30	-	1	-	-	1	-	-
St. John Westminster -	24	19	-	-	-	-	-	-	-
St. Margaret West. *WH*	13	34	-	-	1	-	2	-	-
St. James's Square -	2	1	-	-	1	-	-	-	-
Golden Square *W* -	11	14	-	-	-	-	-	-	-
Berwick-street - -	2	6	-	-	1	-	-	-	1
St. Anne Soho - -	10	4	-	-	-	-	-	-	-
NORTH DISTRICTS.									
All Souls Marylebone H	12	19	-	1	-	-	-	-	-
Cavendish Square - -	3	6	-	-	1	-	-	-	-
Rectory Marylebone *W*	22	32	-	-	2	-	1	-	-
St. Mary Marylebone -	21	9	-	-	1	-	-	-	-
Christchurch Marylebone	22	18	-	-	2	-	-	-	-
St. John Marylebone -	23	12	-	1	-	-	-	1	-
Hampstead *W* - -	14	6	-	-	-	-	1	-	-
Regent's Park Pancras -	28	17	-	-	2	-	-	1	-
Tottenham-court *w*H -	24	15	-	-	2	-	1	-	-
Gray's Inn Lane H -	18	16	-	1	1	-	-	-	-
Somers Town - -	24	23	-	-	1	-	1	-	-
Camden Town *W* -	18	25	-	-	-	1	-	-	-
Kentish Town - -	49	34	-	3	3	-	-	1	2
Islington West* *WHH*	80	73	-	-	13	-	2	16	1
Islington East *Ww* -	100	71	3	2	8	-	5	2	-
Stoke Newington - -	7	3	-	-	-	-	-	-	-
Stamford Hill - -	3	6	-	-	3	-	-	-	-
West Hackney - -	15	7	-	-	1	1	-	-	-
Hackney *WHw* - -	33	31	-	-	3	-	-	-	1
South Hackney L -	23	14	-	-	1	-	-	1	1
CENTRAL DISTRICTS.									
St. George Bloomsbury -	17	5	-	-	-	-	-	-	-
St. Giles South *W* -	20	18	-	-	-	-	-	-	-
St. Giles North - -	17	18	-	1	2	-	-	-	-
Long Acre - - -	9	6	-	-	-	-	-	-	-
Charing Cross *WH* -	3	4	-	-	1	-	-	-	-
St. Mary-le-Strand -	4	4	-	-	1	-	-	-	-
St. Clement Danes H -	5	6	-	-	-	-	-	-	-
St. George-the-Martyr H	11	21	-	-	2	-	-	-	-
St. Andrew, East Holb. *W*	8	17	-	-	-	-	-	-	-
Saffron Hill - - -	5	5	-	-	1	-	1	-	-
St. James Clerkenwell *W*	22	6	-	-	-	-	-	-	-
Aylwell Clerkenwell -	12	10	-	-	1	-	1	-	-
Pentonville - - -	9	4	-	-	-	-	-	-	-
Goswell-street - -	17	14	-	-	1	-	2	-	-
Old-street - - -	9	3	-	-	-	-	-	1	-
City-road HL - -	33	9	-	-	1	-	1	-	1
Whitecross-street -	9	10	-	-	-	-	-	-	-
Finsbury - - -	2	7	-	-	1	-	-	-	-
St. Botolph East London	11	10	-	-	1	-	1	-	-
Cripplegate - - -	6	3	-	-	-	-	-	-	-
West London North *WH*	1	26	-	-	1	-	-	1	-
West London South -	4	3	-	-	-	-	-	-	-
London City South-west	-	2	-	-	-	-	-	-	-
London City North-west	3	1	-	-	-	-	-	-	-
London City South -	1	1	-	-	-	-	-	-	-
London City South-east	1	1	-	-	-	-	-	-	-
London City North-east	1	4	-	-	-	-	-	-	-

REGISTRARS' SUB-DISTRICTS.	Total Births during the Week.	Total Deaths during the Week.	Zymotic Diseases. Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhœa.
EAST DISTRICTS.									
Holywell Shoreditch -	8	6	-	-	-	-	-	-	-
St. Leonard Shrdtch. L†	15	14	-	-	2	1	-	1	-
Hoxton New Town *w* -	30	21	-	-	1	-	-	-	-
Hoxton Old Town - -	21	17	-	1	2	-	-	-	-
Haggerstone West *W* -	24	16	-	-	1	-	1	-	-
Haggerstone East - -	17	7	-	1	1	-	-	-	-
Hackney-road - -	23	19	-	2	3	-	-	1	-
Green, Bthnl. Grn. *WHL*†	24	39	-	-	4	-	-	3	-
Church, Bethnal Green -	25	16	-	-	1	-	3	3	-
Town, Bethnal Green -	15	14	-	2	1	-	-	1	-
Artillery Whitechapel -	3	-	-	-	-	-	-	-	-
Spitalfields - - -	9	8	-	1	-	-	-	-	-
Mile End New Town *W*	10	15	-	1	1	-	-	-	-
Whitechapel North -	10	10	-	1	-	1	-	1	-
Whitechapel Church H	2	12	-	-	-	-	-	-	-
Goodman's Fields - -	9	4	-	-	-	-	-	-	-
Aldgate - - - -	2	8	-	-	-	-	1	-	-
St. Mary St. Geo. East -	13	6	-	1	-	-	1	-	-
St. Paul St. Geo. East -	19	7	-	-	-	-	-	-	-
St. John St. Geo. East *W*	13	14	-	1	1	-	2	-	-
Shadwell *W* - - -	3	11	-	-	1	-	-	1	-
Ratcliff *W* - - -	13	13	1	1	-	-	2	-	1
Limehouse *W* - -	30	12	-	1	-	-	-	-	-
Mile End Old Town, West	28	27	-	-	4	-	-	-	1
Mile End Old T., East *Ww*	43	33	-	-	1	-	1	1	1
Bow *ww*L† - - -	45	50	-	3	6	-	2	-	-
Poplar *W* - - -	56	37	-	2	2	-	1	-	1
SOUTH DISTRICTS.									
Christchurch Sthwark. *W*	3	9	-	-	-	-	-	-	-
St. Saviour Southwark H	6	10	-	-	-	-	-	-	-
St. Olave Southwark H	-	10	-	-	-	-	-	-	-
St. John Horsleydown *W*	6	10	-	-	1	-	-	-	-
St. James Bermondsey -	49	23	-	-	7	-	-	-	-
St. Mary Magdalen *W* -	5	9	-	-	-	-	-	-	-
Leather Market - -	17	16	-	3	1	-	-	-	-
Kent-road - -	16	17	-	2	5	-	1	-	-
Borough-road *W* - -	12	12	-	-	-	-	-	-	-
London-road L - -	12	9	-	-	-	-	-	-	-
Trinity Newington -	22	10	-	1	1	-	-	-	-
St. Peter Walworth *W*	47	22	-	-	3	-	2	-	-
St. Mary Newington H	8	7	-	-	-	-	-	1	-
Waterloo-road 1st -	13	9	-	-	-	-	-	1	-
Waterloo-road 2nd -	23	12	-	1	1	-	-	1	-
Lambeth Church 1st -	11	12	-	-	3	-	1	-	-
Lambeth Church 2nd *W*	34	23	-	1	-	-	-	-	-
Kennington 1st - -	30	25	-	-	3	-	-	-	-
Kennington 2nd - -	12	9	-	-	2	-	-	-	1
Brixton - - - -	19	16	2	-	1	-	-	1	-
Norwood *W* - - -	10	8	-	-	-	2	-	-	-
Clapham - - -	19	20	-	-	1	-	2	-	-
Battersea *Ww* - -	42	24	-	2	1	-	3	-	-
Wandsworth L - -	13	14	-	1	1	-	-	-	-
Putney - - - -	7	5	-	-	-	-	-	-	-
Streatham - - -	9	8	-	-	-	-	-	-	-
Dulwich - - -	3	-	-	-	-	-	-	-	-
Camberwell *WL*†*L*† -	28	26	-	1	2	-	-	-	-
Peckham - - -	40	23	-	1	4	-	-	-	-
St. George Camberwell -	27	27	1	-	8	-	3	-	-
Rotherhithe *W* - -	15	15	-	-	3	-	-	-	-
St. Paul Deptford - -	44	29	-	1	1	-	-	-	-
St. Nicholas Deptford -	3	6	-	-	1	-	-	-	-
Greenwich West H -	16	7	-	-	2	-	-	-	-
Greenwich East *WH* -	12	16	-	-	-	-	-	1	-
Eltham - - - -	1	1	-	-	-	-	-	-	-
Lee - - - -	14	6	-	-	-	-	-	-	-
Lewisham Village *W* -	16	9	-	-	-	-	-	-	1
Sydenham - - -	14	8	-	-	-	-	1	1	1
Charlton H - - -	3	10	-	-	2	-	-	2	-
Woolwich Dockyard H	6	6	-	-	1	-	-	-	1
Woolwich Arsenal H -	15	11	-	-	1	-	-	2	-
Plumstead, West - -	9	10	-	-	2	-	1	-	-
Plumstead, East - -	12	5	-	-	-	-	3	-	-

NOTE.—The letters placed against the names of the sub-districts denote public institutions situated therein, namely,

W—Workhouse;
H—Hospital;
L—Lunatic Asylum;
w—A Workhouse not belonging to the district in which it is situated.

The following are OUTLYING WORKHOUSES:

St. Geo. Hanover Sq. Workh.	is in	Chelsea North-west sub-district.
The Strand - -	"	"	Tottenham-court sub-district.
West London - -	"	"	Islington East.
East London - -	"	"	Hackney sub-district.
St. Luke Middlesex -	"	"	Hoxton New Town sub-district.
London City - -	"	"	Mile End Old Town Eastern sub-dist. and Bow sub-district.
Stepney - - -	"	"	Bow sub-district.

* The Small-pox and Fever Hospitals are situated in the Sub-district of Islington West.
† Lunatic Asylums where paupers are admitted.

DEATHS in LONDON, from ALL CAUSES, Registered in the FIFTY-SECOND WEEK of each of the following Years.

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 31 1859	Dec. 29 1860	Dec. 28 1861	Jan. 3 1863	Jan. 2 1864	Dec. 31 1864	Dec. 30 1865	Dec. 29 1866	Dec. 28 1867	Jan. 2 1869	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Jan. 1, 1870. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	45°3	25°9	36°6	43°8	37°1	35°6	41°2	44°0	37°2	41°0	38°8	Mean Temp. 34°2						
	ALL CAUSES	1677	1407	1148	1553	1642	1697	1603	1436	1433	1629	1522·5	1996	840	997	244	297	366	92
	SPECIFIED CAUSES	1649	1397	1132	1536	1639	1660	1588	1423	1402	1624	1505·0	1989	838	995	243	294	365	92
	(CLASSES.)																		
I.	ZYMOTIC DISEASES	326	287	298	389	386	340	343	281	289	328	326·7	438	289	357	37	24	18	2
II.	CONSTITUTIONAL „	251	265	180	307	281	264	300	270	244	284	264·6	320	64	93	112	78	33	4
III.	LOCAL „	827	647	468	608	715	808	705	663	639	752	683·2	938	319	370	80	180	262	46
IV.	DEVELOPMENTAL „	175	155	144	180	187	172	169	166	187	191	172·6	235	140	142	7	3	45	38
V.	VIOLENT DEATHS	70	43	42	52	70	76	71	43	43	69	57·9	58	26	33	7	9	7	2
	(ORDERS.)																		
I.	1. MIASMATIC DISEASES	305	262	278	368	361	306	318	255	270	297	302·0	416	271	339	36	22	17	2
	2. ENTHETIC „	3	8	5	7	7	12	3	6	8	9	6·8	10	9	9	1	..	..	..
	3. DIETIC „	16	17	11	13	13	18	19	16	9	19	15·1	10	7	7	..	2	1	..
	4. PARASITIC „	2	..	4	1	5	4	3	4	2	3	2·8	2	2	2	..	..	..	..
II.	1. DIATHETIC „	47	40	40	64	57	58	50	38	36	42	47·2	55	2	7	5	19	21	3
	2. TUBERCULAR „	204	225	140	243	224	206	250	232	208	242	217·4	265	62	86	107	59	12	1
III.	1. DISEASES OF NERVOUS SYSTEM	195	145	135	144	199	182	177	162	129	216	168·4	223	84	100	14	34	67	8
	2. „ OF ORGANS OF CIRCULATION	73	74	39	74	79	80	82	74	74	92	74·1	98	1	9	17	34	33	5
	3. „ OF RESPIRATORY ORGANS	470	348	225	303	313	447	358	340	345	334	348·3	480	213	228	29	71	124	28
	4. „ OF DIGESTIVE ORGANS	54	53	47	50	67	55	48	50	49	65	53·8	73	11	14	9	26	20	4
	5. „ OF URINARY ORGANS	21	14	12	24	31	31	24	23	21	25	22·6	45	5	13	5	9	17	1
	6. „ OF ORGANS OF GENERATION	8	4	3	8	6	7	6	5	5	7	5·9	5	..	..	2	3	..	..
	7. „ OF ORGANS OF LOCOMOTION	2	4	3	..	12	3	6	4	3	9	4·6	10	3	4	4	1	1	..
	8. „ OF INTEGUMENTARY SYSTEM	4	5	4	5	8	3	4	5	13	4	5·5	4	2	2	..	2	..	..
IV.	1. DEV. DISEASES OF CHILDREN	37	38	45	49	54	39	38	30	44	46	42·0	60	60	60	..	..	..	..
	2. „ OF ADULTS	6	3	3	6	15	7	6	5	11	11	7·3	7	..	..	6	1	..	..
	3. „ OF OLD PEOPLE	79	62	48	73	66	70	59	55	64	55	63·1	70	..	..	..	..	32	38
	4. DISEASES OF NUTRITION	53	52	48	52	52	56	66	76	68	79	60·2	98	80	82	1	2	13	..
V.	1. ACCIDENT OR NEGLIGENCE	60	38	38	41	55	70	61	37	34	62	49·6	54	25	32	5	8	7	2
*	3. HOMICIDE	3	1	2	4	6	2	4	2	6	1	3·1	..	..	..	..	..	..	..
	4. SUICIDE	7	4	2	7	9	4	6	4	3	6	5·2	3	..	..	2	1	..	..
	5. EXECUTION	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	VIOLENT DEATHS NOT CLASSED	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..
	SUDDEN DEATHS, CAUSE UNASCERTAINED	8	5	4	10	2	5	9	..	3	2	4·8	4	1	1	1	2	..	..
	CAUSES NOT SPECIFIED	20	5	12	7	1	32	6	13	28	3	12·7	3	1	1	..	1	1	..

* Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

DEATHS in LONDON, from ALL CAUSES, Registered

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 31 1859	Dec. 29 1860	Dec. 28 1861	Jan. 3 1863	Jan. 2 1864	Dec. 31 1864	Dec. 30 1865	Dec. 29 1866	Dec. 28 1867	Jan. 2 1869	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Jan. 1, 1870. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	5 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	45°3	25°9	36°6	43°8	37°1	35°6	41°2	44°0	37°2	41°0	38°8	Mean Temp. 34°2						
I.	ORDER 1.																		
	1. Small-pox	46	8	2	35	15	8	13	35	17	7	18·6	7	7	7	..	..	..	..
	2. Measles	45	49	19	69	33	42	46	25	50	35	41·3	59	54	58	1	..	..	..
	3. Scarlet Fever (Scarlatina)	65	45	69	73	93	53	46	41	30	83	59·8	159	105	148	9	2	..	..
	4. Diphtheria	12	12	17	8	13	7	15	10	12	10	11·6	9	4	8	..	..	1	..
	5. Quinsy	..	..	1	2	2	2	3	..	2	..	1·2	1	..	..	1	..	..	..
	6. Croup	8	19	37	22	25	18	16	14	20	13	19·2	20	19	20	..	..	..	..
	7. Whooping-cough	50	59	45	57	51	43	64	58	55	49	53·1	57	56	57	..	..	..	..
	8. Typhus	37	27	59	58	76	90	74	41	52	56	56·1	12	1	1	4	4	3	..
	— Enteric Fever												18	2	9	4	5	..	..
	— Simple continued Fever												21	4	7	4	4	6	..
	9. Erysipelas	9	5	6	5	14	11	7	5	7	20	8·9	14	5	5	1	3	4	1
	10. Puerperal Fever (Metria)	3	3	9	10	5	3	3	2	1	4	4·3	8	..	1	7	..	..	..
	11. Carbuncle	2	..	1	1	..	..	..	..	1	3	·8	1	..	..	..	..	1	..
	12. Influenza	2	1	3	..	1	..	2	1	3	..	1·3	1	1	1	..	..	..	..
	13. Dysentery	4	2	1	2	5	3	1	3	3	1	2·5	1	..	..	..	1	..	..
	14. Diarrhœa	10	21	12	16	15	12	12	14	11	9	13·2	22	13	13	3	3	2	1
	15. Simple Cholera	..	..	..	..	..	..	1	1	..	..	·2	1	..	1	..	..	..	..
	16. Ague	..	2	1	..	..	..	..	..	..	1	·4	..	..	..	..	..	..	..
	17. Remittent fever	3	3	1	1	1	4	1	..	..	..	1·4	..	..	..	..	..	..	..
	18. Rheumatism	9	6	4	9	12	10	14	4	6	6	8·0	5	..	3	2	..	..	..
	19. Other *Zymotic* diseases	..	..	..	..	..	..	..	1	..	..	·1	..	..	..	..	..	..	..
	ORDER 2.																		
	1. Syphilis	1	7	5	7	6	9	3	6	8	8	6·0	10	9	9	1	..	..	..
	2. Stricture of Urethra	2	1	..	..	1	2	..	..	..	1	·7	..	..	..	..	..	..	..
	3. Hydrophobia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	4. Glanders	..	..	..	..	..	1	..	..	..	..	·1	..	..	..	..	..	..	..
	ORDER 3.																		
	1. Privation	1	1	1	1	..	2	..	..	..	..	·6	..	..	..	..	..	..	..
	2. Want of Breast-milk	7	9	10	4	7	12	10	10	7	10	8·6	6	6	6	..	..	..	..
	3. Purpura and Scurvy	..	1	..	2	1	..	2	2	1	3	1·2	2	1	1	..	1	..	..
	4. Alcoholism *a* Del. Tremens	3	2	..	3	3	1	1	1	1	3	1·8	1	..	..	..	1	..	..
	4. Alcoholism *b* Intemperance	5	4	..	3	2	3	6	3	..	3	2·9	1	..	..	..	..	1	..
	ORDER 4.																		
	1. Thrush	2	..	3	1	5	4	3	4	2	3	2·7	2	2	2	..	..	..	..
	2. Worms, &c.	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
II.	ORDER 1.																		
	1. Gout	..	1	1	4	1	3	..	5	1	3	1·9	1	..	..	..	..	1	..
	2. Dropsy	16	14	9	19	20	17	26	12	13	13	15·9	17	1	4	..	6	7	..
	3. Cancer	28	24	27	35	32	29	21	20	18	25	25·9	31	..	1	4	13	12	1
	4. Cancrum Oris (Noma)	..	1	..	1	..	1	1	..	1	..	·5	2	1	2	..	..	..	..
	5. Mortification	3	..	3	5	4	8	2	1	3	1	3·0	4	..	..	1	..	1	2
	ORDER 2.																		
	1. Scrofula	7	7	9	8	12	10	9	9	10	6	8·7	9	7	8	1	..	..	..
	2. Tabes Mesenterica	11	13	10	25	16	12	23	13	11	13	14·7	22	21	22	..	..	..	..
	3. Phthisis	154	171	103	169	165	154	181	186	164	188	163·5	207	10	29	106	59	12	1
	4. Hydrocephalus	32	34	18	41	31	30	37	24	23	35	30·5	27	24	27	..	..	..	..
III.	ORDER 1.																		
	1. Cephalitis	14	8	10	16	12	8	7	13	11	18	11·7	24	10	19	2	2	1	..
	2. Apoplexy	34	44	34	33	53	39	45	46	22	50	40·6	54	3	5	8	8	27	6
	3. Paralysis	46	31	30	27	37	45	42	26	28	38	35·0	39	1	1	..	11	26	1
	4. Insanity	1	1	2	2	5	5	2	2	4	5	2·9	4	..	..	..	1	2	1
	5. Chorea	1	1	1	..	..	..	..	..	..	1	·4	1	..	1	..	..	..	..
	6. Epilepsy	15	4	5	7	8	9	15	5	4	4	7·6	11	..	..	2	6	3	..
	7. Convulsions	56	34	40	44	68	63	41	57	40	76	51·9	71	67	69	1	1	..	..
	8. *Brain Disease, &c.*	28	22	13	15	16	13	25	13	20	24	18·9	19	3	5	1	5	8	..
	ORDER 2.																		
	1. Pericarditis	2	1	..	1	..	1	3	2	2	3	1·5	3	..	2	1	..	..	..
	2. Aneurism	3	2	2	1	3	2	4	1	..	4	2·2	4	..	..	2	1	1	..
	3. *Heart Disease, &c.*	68	71	37	72	76	77	75	71	72	85	70·4	91	1	7	14	33	32	5
	ORDER 3.																		
	1. Laryngitis	5	6	6	12	4	13	8	5	7	9	7·5	9	8	9	..	..	..	..
	2. Bronchitis	278	217	113	188	177	282	195	224	202	196	207·2	305	118	122	12	45	101	25
	3. Pleurisy	6	2	1	3	..	7	4	4	6	2	3·5	10	1	2	3	4	1	..
	4. Pneumonia	151	95	67	71	93	107	123	72	86	98	96·3	120	79	87	10	13	9	1
	5. Asthma	21	18	14	15	22	15	10	21	18	14	16·8	22	..	..	1	7	13	1
	6. *Lung Disease, &c.*	9	10	24	14	17	23	18	14	26	15	17·0	14	7	8	3	2	..	1
	ORDER 4.																		
	1. Gastritis	2	..	..	1	..	2	1	1	1	3	1·1	..	..	..	..	..	..	..
	2. Enteritis	4	6	2	8	7	4	2	5	3	3	4·4	10	3	5	..	4	..	1
	3. Peritonitis	2	5	7	3	8	7	5	1	2	1	4·1	9	2	2	4	2	1	..
	4. Ascites	5	4	3	2	4	3	3	2	2	3	3·1	7	..	..	..	4	1	1
	5. Ulceration of Intestines	..	4	..	4	3	2	1	2	2	2	2·0	3	..	..	1	1	1	..
	6. Hernia	7	4	6	1	5	6	3	9	..	5	4·6	3	1	1	..	..	2	..
	7. Ileus		4	2	5	5	4	1	4	5	3	3·8	4	1	1	1	1	1	..
	8. Intussusception		2	..	..	1	2	..	..	5	..	1·1	1	..	..	..	..	1	..

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the case is a suicide, a murder, or an accident. All such cases are classed under "accident or negligence." Cases of "infantile fever" are classed with "enteric fever." Cases of "rheumatic fever" are classed with "rheumatism," or

In the Fifty-second Week of each of the following Years—*continued.*

Class.	CAUSES OF DEATH.	Deaths from all Causes in the Week ending Saturday, Dec. 31 1859	Dec. 29 1860	Dec. 28 1861	Jan. 3 1863	Jan. 2 1864	Dec. 31 1864	Dec. 30 1865	Dec. 29 1866	Dec. 28 1867	Jan. 2 1869	Averages of Temperature and of Deaths in 10 Weeks.	In the Week ending Saturday, Jan. 1, 1870. Deaths of Persons of the Ages: ALL AGES.	Under 5 Years.	0 and under 20.	20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwards.
	Mean Temperature	45°·3	25°·9	36°·6	43°·8	37°·1	35°·6	41°·2	44°·0	37°·2	41°·0	38°·8	Mean Temp. 34°·2						
	9. Stricture of Intestines	..	..	1	2	2	1	..	..	1	..	·7	..	..	..	..	..	..	..
	10. Fistula	1	..	1	..	..	..	1	..	1	2	·6	1	..	..	1	..	..	..
	11. *Stomach Disease, &c.*	7	8	4	2	10	6	3	8	5	15	6·8	7	2	2	..	2	3	..
	12. *Pancreas Disease, &c.*	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	13. Hepatitis	5	2	1	3	3	4	3	1	4	4	3·0	1	..	..	..	..	1	..
	14. Jaundice	5	1	5	2	6	..	5	4	3	3	3·4	2	1	1	..	..	..	1
	15. *Liver Disease, &c.*	10	13	14	16	13	14	20	13	14	20	14·7	25	1	2	2	12	9	..
	16. *Spleen Disease, &c.*	..	..	1	1	..	..	..	..	1	1	·4	..	..	..	..	..	..	..
	Order 5.																		
	1. Nephritis	..	..	..	2	..	1	1	2	1	..	·7	2	2	2	..	..	..	..
	2. Ischuria	..	..	1	..	..	..	..	..	..	..	·1	..	..	..	..	..	..	..
	3. Bright's disease (Nephria)	11	7	5	10	16	9	12	9	10	11	10·0	23	3	6	4	6	7	..
	4. Diabetes	..	1	..	2	2	2	..	2	..	2	1·1	1	..	1	..	..	..	..
	5. Calculus (Stone)	..	..	..	..	..	..	..	..	2	..	·2	1	..	..	..	..	1	..
	6. Cystitis	2	1	1	1	1	1	1	2	..	2	1·2	4	..	..	..	1	2	1
	7. *Kidney Disease, &c.*	8	5	5	9	12	18	10	8	8	10	9·3	14	..	4	1	2	7	..
	Order 6.																		
	1. Ovarian Dropsy	2	1	2	2	1	2	..	1	..	..	1·1	..	..	..	..	..	..	..
	2. *Uterus Disease, &c.*	6	3	1	6	5	5	6	4	5	7	4·8	5	..	..	2	3	..	..
	Order 7.																		
	1. Synovitis (Arthritis)	..	..	1	..	..	..	1	..	..	..	·2	..	..	..	..	..	..	..
	2. *Joint Disease, &c.*	2	4	2	..	12	3	5	4	3	9	4·4	10	3	4	4	1	1	..
	Order 8.																		
	1. Phlegmon	1	2	2	4	2	2	2	3	6	4	2·8	1	..	..	..	1	..	..
	2. Ulcer	2	2	1	..	4	1	2	..	4	..	1·6	1	..	..	..	1	..	..
	3. *Skin Disease, &c.*	1	1	1	1	2	..	..	2	3	..	1·1	2	2	2	..	..	..	..
IV.	Order 1.																		
	1. Premature Birth	19	18	26	25	24	20	26	19	18	24	21·9	29	29	29	..	..	..	..
	2. Cyanosis	3	1	1	2	3	..	2	..	..	2	1·4	3	3	3	..	..	..	..
	3. Spina Bifida	..	1	4	2	2	..	..	3	3	..	1·5	..	..	..	..	..	..	..
	4. Other Malformations	1	2	3	1	..	4	..	..	1	3	1·5	1	1	1	..	..	..	..
	5. Teething	14	16	11	19	25	15	10	8	22	17	15·7	27	27	27	..	..	..	..
	Order 2.																		
	1. Paramenia	..	1	..	..	..	..	..	1	1	1	·4	1	..	..	..	1	..	..
	2. Childbirth (*see* Puerperal Fev.)	6	2	3	6	15	7	6	4	10	10	6·9	6	..	..	6	..	..	..
	Order 3.																		
	1. Old Age	79	62	48	73	66	70	59	55	64	55	63·1	70	..	..	..	..	32	38
	Order 4.																		
	1. Atrophy and Debility	53	52	48	52	52	56	66	76	68	79	60·2	98	80	82	1	2	13	..
V.	Order 1. (Accident or Negligence.)																		
	1. Fractures and Contusions	16	13	17	14	18	19	29	13	5	19	16·3	16	2	6	1	3	4	2
	2. Wounds	1	..	..	1	1	..	..	..	1	..	·4	..	..	..	..	..	..	..
	3. Burns and Scalds	13	13	5	8	11	16	11	8	7	13	10·5	5	4	4	..	..	1	..
	4. Poison	1	..	2	1	3	2	2	1	2	..	1·4	1	..	..	..	1	..	..
	5. Drowning	7	5	5	5	7	3	6	2	7	13	6·0	6	..	..	2	3	1	..
	6. Suffocation	20	6	9	11	11	20	12	12	11	15	12·7	26	19	22	2	1	1	..
	7. Otherwise	2	1	..	1	4	10	1	1	1	2	2·3	..	..	..	..	..	..	..
	Order 3. (Homicide.)																		
	1 Murder and Manslaughter	3	1	2	4	6	2	4	2	6	1	3·1	..	..	..	..	..	..	..
	Order 4. (Suicide.)																		
	1. Wounds { Gunshot	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	1. Wounds { Cut, Stab	3	..	..	5	..	..	1	2	1	..	1·2	1	..	..	..	..	1	..
	2. Poison	1	2	..	1	2	..	..	1	..	1	·8	1	..	..	1	..	..	..
	3. Drowning	1	..	..	..	..	1	..	..	..	..	·2	1	..	..	1	..	..	..
	4. Hanging	2	2	1	..	6	2	4	1	1	4	2·3	..	..	..	..	..	..	..
	5. Otherwise	..	..	1	1	1	1	1	..	1	1	·7	..	..	..	..	..	..	..
	Order 5. (Execution.)																		
	1. Hanging	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Violent Deaths (not classed)	..	..	..	..	..	..	..	..	..	..	..	2	1	1	1	..	..	..
	Sudden Deaths (Cause unascertained)	8	5	4	10	2	5	9	..	3	2	4·8	4	1	1	1	2	..	..
	Causes not specified or ill-defined	20	5	12	7	1	32	6	13	28	3	12·7	3	1	1	..	1	1	..

"hæmorrhage" and "abscess" with the diseases of the organs affected. Cases of "neglect" and "cold," except when the result of "privation" (Class I.; 3; 1), are placed under deaths by "accident or negligence" (V.; 1; 7). As "stricture of the urethra" is almost invariably the result of gonorrhœa it is classed as I.; 2; 2.

Meteorological Observations taken at the Royal Observatory, Greenwich, during the Week ending Saturday, 1st January, 1870.

[Under the Superintendence of the Astronomer Royal.]

1869–70 Month and Day.		Moon. Phases of Moon.	Barometer. Mean daily reading (corrected and reduced to 32 degr. Fahrenheit).	Readings of Thermometers. Dry. Highest.	Dry. Lowest.	Dry. Range in day.	Dry. Mean daily value.	Dew Point. Mean daily value.	Highest in the sun, as shown by a self-registering Thermometer with blackened bulb in vacuo, placed on the Grass.	Lowest on the Grass, as shown by a self-registering Minimum Thermometer.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Highest.	In the Water of the Thames at Greenwich, by self-registering Thermometers. Lowest	Difference between Dew Point Temperature and Air Temperature. Mean daily value.	Difference between Dew Point Temperature and Air Temperature. Greatest.	Difference between Dew Point Temperature and Air Temperature. Least.	Difference between mean temperature of the day and mean temperature of the same day on an average of 50 years.*	Degree of Humidity, complete Saturation being represented by 100.	Wind. As deduced from Anemometers. Osler's. General Direction. A.M.	Wind. As deduced from Anemometers. Osler's. General Direction. P.M.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Greatest.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Least.	Wind. As deduced from Anemometers. Osler's. Pressure on square foot. Mean of 24 Obs.	Wind. As deduced from Anemometers. Robinson's. Amount of Horizontal Movement of Air each day.	Rain. Collected in a Gauge whose receiving surface is 5 in. above the ground.	Ozone.
December.			in.	°	°	°	°	°	°	°	°	°	°	°	°	°					lbs.	lbs.	lbs.	Miles.	Inches	
Sunday . .	26	Last Quarter In Equator	29·372	30·0	24·0	6·0	27·0	21·5	33·3	17·0	..	..	5·5	8·3	2·9	—10·4	78	NW. N. & NE.	NE.	0·4	0·0	0·9	164	0·00	0
Monday . .	27	Perigee	29·559	32·8	23·6	9·2	28·5	24·6	39·6	16·7	35·4	33·4	3·9	8·1	0·7	— 8·8	85	NNE. & N.	NNE.&N.	1·3	0·0	0·2	260	0·01	1
Tuesday .	28	..	29·812	31·9	21·3	10·6	26·3	20·2	33·5	14·3	34·4	32·4	6·1	10·8	4·1	—10·9	76	NNW.&WSW.	NW. & WSW.	2·0	0·0	0·1	248	0·00	0
Wednesday	29	..	29·965	40·5	22·3	18·2	34·6	30·8	45·3	15·9	33·7	32·1	3·8	9·7	0·0	— 2·7	86	SW.	SSW.	3·6	0·0	0·3	300	0·00	0
Thursday.	30	..	29·713	39·7	35·2	4·5	37·4	26·2	43·4	31·8	33·8	32·4	11·2	12·2	7·5	0·0	63	SSW.	S.	30·+	0·1	2·4	536	0·00	4
Friday . .	31	..	29·338	42·7	35·0	7·7	39·9	39·7	43·3	34·2	34·4	32·4	0·2	0·9	0·0	+ 2·4	99	S.& SSW.	SSW. &S.	3·0	0·0	0·5	353	0·20	4
January.																									
Saturday.	1	..	29·193	48·0	41·1	6·9	45·4	43·6	74·7	37·0	34·4	32·4	1·8	3·8	0·2	+ 8·1	93	SW.	SSW.& S.	2·8	0·0	0·4	325	0·10	3
Means . .		..	29·565	37·9	28·9	9·0	34·2	29·5	44·7	23·8	(6 days) 34·4	(6 days) 32·5	4·6	7·7	2·2	— 3·2	83	SSW., S., NNE.		..	..	..	Sum 2186	Sum 0·31	1·7
No. of Columns		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26

Date.		Electricity.	Sky and Atmosphere.
December.			
Sunday .	26	No electricity was observed throughout the week.	A fine day. Light clouds prevailed generally. A little snow fell during the early morning hours.
Monday .	27		Overcast throughout the morning, and snow fell frequently; fine, and partially cloudy during the remainder of the day.
Tuesday .	28		A fine day; a few light clouds prevailed generally.
Wednesday	29		A few light clouds prevailed. A fine day.
Thursday .	30		Partially cloudy.
Friday .	31		Overcast. Rain fell frequently.
January.			
Saturday .	1		In the early morning hours rain fell; very fine during the remainder of the morning, and light clouds prevailed; overcast throughout the afternoon and evening. At night thin rain fell occasionally.

Notes.

The height of the cistern of the barometer is considered to be 159 feet above the mean level of the sea. The readings of the barometer are considered to be coincident with those of the Royal Society's flint glass standard barometer. The observations are taken at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M. The means of the readings of the barometer, the dry thermometer, and the wet thermometer, observed at these times, are converted into mean daily values by the application of corrections deduced by James Glaisher, F.R.S., from five years' observations ending 1845, December 31.—See *Phil. Trans.*, part 1, 1848. The mean daily dew point and degree of humidity are deduced from those mean daily values of the dry and wet bulb thermometers by Glaisher's Hygrometrical Tables, Fourth edition. The results for mean daily temperature of the air, or the numbers exhibited in column 7, include the observations of the dry thermometer, read at 9h. A.M.; noon; 3h. P.M.; and 9h. P.M., as well as the results deduced from the maximum and minimum thermometers, as determined by the self-registering thermometers, the proper corrections being applied to each. The average temperature of the air is that determined by Mr. Glaisher from the thermometrical observations taken at the Royal Observatory, Greenwich, in the 50 years ending 1863, December 31.

* In reading the 17th column it will be borne in mind that + is read "*higher*," and — "*lower*," than the average. The results of all the meteorological observations are to be understood as applying to the civil day, or from midnight to midnight.

The temperature of the water of the Thames is ascertained by the use of self-registering thermometers, suspended from the side of the Dreadnought Hospital Ship, at the depth of about 2 feet below the surface. The readings of these instruments are registered under the superintendence of the medical officers of the ship.

The reading of the barometer decreased from 29·59 in. at the beginning of the week to 29·36 in. by noon on the 26th; increased to 29·98 in. by noon on the 29th of December; decreased to 29·16 in. by 9h. A.M. on 1st January; and was 29·24 in. at the end of the week.